

# MISSION<sup>®</sup> siRNA New Promotion!

Better siRNA Design,  
Better RNAi Performance



Functional Genomics

## The MISSION siRNA Performance Guarantee

Sigma<sup>®</sup> Life Science guarantees that two out of three siRNA duplexes per target gene will achieve knockdown efficiencies of greater than or equal to 75%.

## MISSION<sup>®</sup> siRNA

POWERED BY



For more information, visit  
[sigma.com/rnai](http://sigma.com/rnai)

Discount of 50% now applies to Pre-Designed and Custom Designed siRNA duplexes at the 2 O.D., 5 O.D., and 10 O.D. synthesis scales.

### Pre-Arrayed siRNA

Off-the-shelf siRNA druggable genome libraries and individual gene panels are available for human and rat.

### Pre-Designed siRNA

For convenience, choose your siRNA from our pre-designed libraries for human, mouse and rat.

### Custom Designed siRNA

If your gene is not represented in our pre-designed libraries, why not let us design the siRNA for you?

### Rosetta Design Algorithm

All our siRNA is designed using the Rosetta siRNA Design Algorithm. This utilizes Position-Specific Scoring Matrices (PSSM) and knowledge of the all-important siRNA seed region to predict the most effective and specific siRNA sequences for your target gene of interest. Additionally, the Rosetta algorithm has been refined with feedback from over three years of gene-silencing experiments.

Description	Scale	Purification	Discount
Pre-Designed	2 O.D. (10 nmol)	Desalt	50%
Custom Designed	2 O.D. (10 nmol)	Desalt	50%
Pre-Designed	5 O.D. (25 nmol)	Desalt	50%
Custom Designed	5 O.D. (25 nmol)	Desalt	50%
Pre-Designed	10 O.D. (50 nmol)	Desalt	50%
Custom Designed	10 O.D. (50 nmol)	Desalt	50%

To receive this discount, quote the promotional code **G85** in your order. This offer cannot be used in conjunction with any other offer and is valid until *February 29, 2012*.

## Ordering Pre-Arrayed

- Go to [sigma.com/rnai](http://sigma.com/rnai) and click on MISSION® siRNA>Pre-arrayed siRNA Libraries on the product menu.

Life Science

### Functional Genomics & RNAi

We provide leading functional genomics technologies including RNA interference (RNAi) tools for gene silencing (siRNA, shRNA, miRNA) and cutting-edge systems for gene editing and gene knockout. The MISSION® siRNA products offer effective target gene knockdown with reduced off-target effects while the MISSION shRNA portfolio includes the highly-validated lentiviral-based shRNA libraries of The RNAi Consortium (TRC1 and TRC2). Our CompoZr™ Zinc Finger Nuclease (ZFN) and TargeTron® gene editing and gene disruption technologies provide innovative solutions for eukaryotic and prokaryotic systems, respectively. With our innovative Functional Genomics & RNAi products, you can accelerate your discovery!

Search for siRNAs and shRNA clones

**Products:**

- MISSION siRNA
- MISSION shRNA
- MISSION microRNA
- MISSION esiRNA
- Lentiviral Reagents & Services
- siRNA Transfection Reagents
- CompoZr ZFN Technology
- TargeTron Gene Knockout
- New Products
- Online Product Catalog

**Tool Box:**

- Your Favorite Gene Search

**Special Offers:**

**Applications Center:**

- Protocols
- Literature References
- Posters
- FAQs
- Life Science Application Center
- RNAi FAQs Center

**Learning Center:**

- RNAi Process Diagram
- RNAi Glossary
- shRNA Learning Center & Data
- siRNA Learning Center & Data
- ZFN Learning Center
- Press Releases

- Click on the library of your choice.

### Ordering Information

[MISSION siRNA Human Druggable Genome](#)

[MISSION siRNA Rat Druggable Genome](#)

[MISSION siRNA Mouse Kinase Library](#)

- Simply add your choice to your cart.

Product #	Description	Add to Cart
S00100	MISSION® siRNA Human Druggable Genome Library 6550 targets	<a href="#">pricing</a>
S07100	MISSION® siRNA Human Gene Family Panels Assorted Function Panel, 228 targets	<a href="#">pricing</a>
S05100	MISSION® siRNA Human Gene Family Panels Cell Adhesion and Cytoskeleton Panel, 436 targets	<a href="#">pricing</a>
S15100	MISSION® siRNA Human Gene Family Panels Cell Regulation Panel, 227 targets	<a href="#">pricing</a>
S14100	MISSION® siRNA Human Gene Family Panels Cell Surface and Nuclear Receptors Panel, 722 targets	<a href="#">pricing</a>
S08100	MISSION® siRNA Human Gene Family Panels qPCR Panel, 304 targets	<a href="#">pricing</a>
S04100	MISSION® siRNA Human Gene Family Panels Human Growth Factors/Receptors Panel, 375 targets	<a href="#">pricing</a>
S09100	MISSION® siRNA Human Gene Family Panels Hydrolyase Panel, 204 targets	<a href="#">pricing</a>
S06100	MISSION® siRNA Human Gene Family Panels Ion Channel and Transporters Panel, 639 targets	<a href="#">pricing</a>
S02100	MISSION® siRNA Human Gene Family Panels Kinase Panel, 714 targets	<a href="#">pricing</a>
S01100	MISSION® siRNA Human Gene Family Panels Ligase Panel, 949 targets	<a href="#">pricing</a>
S10100	MISSION® siRNA Human Gene Family Panels Metabolism and Cell Traffic Panel, 217 targets	<a href="#">pricing</a>

## Ordering Pre-Designed

- Go to [sigma.com/yfg](http://sigma.com/yfg) and search for your gene.

Your Favorite Gene SEARCH  
Powered by INGENUITY

### Think forward, work smarter.

Search by Gene, Gene Symbol, Disease, Tissue or Pathway

What's New With YFG?

Navigating YFG

YFG Community

- Refine your search further.

39 Matches Found For **JAK1** 1

[Explore Search in IPA](#)

Symbol	Description	Information	Products
JAK1	<b>Janus Kinase 1</b> Human, Mouse, Rat <i>Matched On Gene Symbol</i>	<a href="#">Summary</a> <a href="#">Interactors</a> <a href="#">Pathways</a>	<a href="#">Antibodies</a> <a href="#">Antibody Arrays</a> <a href="#">CompoZr ZFN</a> <a href="#">shRNA</a> <a href="#">siRNA</a>
BLK	<b>B lymphoid tyrosine kinase</b> Human, Mouse, Rat <i>Matched On Keyword</i>	<a href="#">Summary</a> <a href="#">Interactors</a> <a href="#">Pathways</a>	<a href="#">Antibodies</a> <a href="#">Antibody Arrays</a> <a href="#">CompoZr ZFN</a> <a href="#">Proteins</a> <a href="#">shRNA</a> <a href="#">siRNA</a>

- Select your siRNA and add to your cart.

siRNA ID	Species	RefSeq ID	Approx. siRNA Start	siRNA Type	Ranking	Quantity	Purification	Price (EUR)
SASL_Hs01_00174614	HUMAN	NM_002227	3090	Validated MISSION® siRNA	1	10 nmol	Standard	
SASL_Hs01_00174613	HUMAN	NM_002227	943	Validated MISSION® siRNA	1	10 nmol	Standard	
SASL_Hs01_00174612	HUMAN	NM_002227	1569	Validated MISSION® siRNA	1	10 nmol	Standard	
SASL_Hs01_00174615	HUMAN	NM_002227	3634	MISSION® siRNA	2	10 nmol	Standard	
SASL_Hs01_00174616	HUMAN	NM_002227	1537	MISSION® siRNA	3	10 nmol	Standard	
SASL_Hs01_00174617	HUMAN	NM_002227	3731	MISSION® siRNA	4	10 nmol	Standard	
SASL_Hs01_00174618	HUMAN	NM_002227	2491	MISSION® siRNA	5	10 nmol	Standard	
SASL_Hs01_00174619	HUMAN	NM_002227	3757	MISSION® siRNA	6	10 nmol	Standard	
SASL_Hs01_00174620	HUMAN	NM_002227	3237	MISSION® siRNA	7	10 nmol	Standard	
SASL_Hs01_00174621	HUMAN	NM_002227	3115	MISSION® siRNA	8	10 nmol	Standard	
SASL_Hs02_00339400	HUMAN	NM_002227	2520	MISSION® siRNA	9	10 nmol	Standard	
SASL_Rn02_00266050	RAT	NM_053466	2653	MISSION® siRNA	1	10 nmol	Standard	
SASL_Rn02_00266051	RAT	NM_053466	2807	MISSION® siRNA	2	10 nmol	Standard	
SASL_Rn02_00266052	RAT	NM_053466	1851	MISSION® siRNA	3	10 nmol	Standard	
SASL_Rn02_00266053	RAT	NM_053466	1419	MISSION® siRNA	4	10 nmol	Standard	
SASL_Rn02_00266054	RAT	NM_053466	3207	MISSION® siRNA	5	10 nmol	Standard	
SASL_Rn02_00266055	RAT	NM_053466	2780	MISSION® siRNA	6	10 nmol	Standard	
SASL_Rn02_00266056	RAT	NM_053466	3117	MISSION® siRNA	7	10 nmol	Standard	
SASL_Rn02_00266057	RAT	NM_053466	494	MISSION® siRNA	8	10 nmol	Standard	

## Ordering Custom Designed

- Simply send an email to: [oligo.design@sial.com](mailto:oligo.design@sial.com) with the following information included:
  - Reference gene accession number or Gene ID
  - Gene name or Gene abbreviation
- Your siRNA designs will be sent to you by email within working days of submitting your design request. Our design service is free of charge.
- Then enter these sequences online through our custom product portal.

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