Product Information

**PIPK2C, active, GST-tagged, human**
**PRECISIO** Kinase recombinant, expressed in Sf9 cells

Catalog Number **SRP5286**
Storage Temperature –70 °C

**Synonyms:** PIP5K2C, FLJ22055

**Product Description**
PIPK2C (also known as phosphatidylinositol-5-phosphate 4-kinase, type II, gamma) is a member of the PIP kinase family that plays an important role in a wide variety of cell functions.\(^1\) PIPK2C is found in the cytosol and surrounding plasma membrane, and its presence in the endoplasmic reticulum seems to be a prerequisite for PIP\(_2\) synthesis. PIPK2C play an important role in the production of phosphatidylinositol diphosphate (PIP\(_2\)) in the endoplasmic reticulum.\(^2\)

Recombinant full-length human PIPK2C was expressed by baculovirus in Sf9 insect cells using an N-terminal GST-tag. The gene accession number is BC028596. It is supplied in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, and 25% glycerol.

Molecular mass: \(-75\) kDa

**Precautions and Disclaimer**
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

**Storage/Stability**
The product ships on dry ice and storage at –70 °C is recommended. After opening, aliquot into smaller quantities and store at –70 °C. Avoid repeated handling and multiple freeze/thaw cycles.

**Figure 1.**
SDS-PAGE Gel of Typical Lot:
\(\geq70\%\) (SDS-PAGE, densitometry)

**Figure 2.**
Specific Activity of Typical Lot:
3.6–5.4 nmole/min/mg

Kinase activity was determined with a luminescent assay procedure.

**References**

PRECISIO is a registered trademark of Sigma-Aldrich Co. LLC.