Product Information

Luteinizing Hormone
from human pituitary

Catalog Number L5259
Storage Temperature 2–8 °C

CAS RN 39341-83-8
Synonyms: LH, ICSH, PLH

Product Description
Luteinizing Hormone has molecular mass of 26 kDa. It is composed of two 13 kDa subunits, α and β. The amino acid sequences of the two subunits have been published.\(^1,2\) The structure of the carbohydrate moieties of the α subunit has also been published.\(^3\)

pI: 5.4

Levels of contaminating glycoprotein hormones:
- <2% follicle stimulating hormone
- <2% thyroid stimulating hormone
- <1% growth hormone
- <1% prolactin
- <1% ACTH

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.

Preparation Instructions
When reconstituted with 0.1 ml water, the product will be in a solution of 50 mM sodium phosphate buffer, pH 7.4.

Storage/Stability
Store the product at 2–8 °C.

Solutions should be stored at 2–8 °C, not frozen. The reconstituted solution should remain active for one month stored at 2–8 °C. Growth of bacteria in the solution can cause denaturation of the protein, resulting in a cloudy solution.

References

IRB,RXR,MAM 10/10-1