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Tel: 858.875.1900 Fax: 858.875.1999

Preptin, human
Synthetic Peptide
Catalog # SP2626a

Specification

Preptin, human - Product Information

Primary Accession	P01344
Sequence	NH2-DVSTPPTVLPDNFPRYPVGKFFQYDTWK QSTQRL-COOH

Preptin, human - Additional Information

Gene ID 3481

Other Names
Insulin-like growth factor II, IGF-II, Somatomedin-A, Insulin-like growth factor II, Insulin-like growth factor II Ala-25 Del, Preptin, IGF2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Preptin, human - Protein Information

Name IGF2 (HGNC:5466)

Function
The insulin-like growth factors possess growth-promoting activity (By similarity). Major fetal growth hormone in mammals. Plays a key role in regulating fetoplacental development. IGF2 is influenced by placental lactogen. Also involved in tissue differentiation. In adults, involved in glucose metabolism in adipose tissue, skeletal muscle and liver (Probable). Acts as a ligand for integrin which is required for IGF2 signaling (PubMed:28873464). Positively regulates myogenic transcription factor MYOD1 function by facilitating the recruitment of transcriptional coactivators, thereby controlling muscle terminal differentiation (By similarity). Inhibits myoblast differentiation and modulates metabolism via increasing the mitochondrial respiration rate (By similarity).

Cellular Location
Secreted.

Tissue Location
Expressed in heart, placenta, lung, liver, muscle, kidney, tongue, limb, eye and pancreas.

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Preptin, human - Images