

**Preptin, human**  
**Synthetic Peptide**  
**Catalog # SP2626b****Specification**

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**Preptin, human - Product Information**Primary Accession  
Sequence[P01344](#)  
**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**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:<a href="http://www.uniprot.org/citations/28873464" target="\_blank">28873464</a>). 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.

## **Preptin, human - Images**