

# Hypocretin-2-Gly (Human)

Synthetic Peptide Catalog # SP3072b

## **Specification**

# Hypocretin-2-Gly (Human) - Product Information

**Primary Accession** 

Sequence

043612

NH2-RSGPPGLQGRLQRLLQASGNHAAGILTM

G-COOH

## Hypocretin-2-Gly (Human) - Additional Information

**Gene ID 3060** 

#### **Other Names**

Orexin, Hypocretin, Hcrt, Orexin-A, Hypocretin-1, Hcrt1, Orexin-B, Hypocretin-2, Hcrt2, HCRT, OX, PPORX, PPOX

#### **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.

## Hypocretin-2-Gly (Human) - Protein Information

Name HCRT (HGNC:4847)

Synonyms OX, PPORX, PPOX

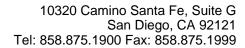
### **Function**

Neuropeptides that play a significant role in the regulation of food intake and sleep-wakefulness, possibly by coordinating the complex behavioral and physiologic responses of these complementary homeostatic functions. A broader role in the homeostatic regulation of energy metabolism, autonomic function, hormonal balance and the regulation of body fluids, is also suggested.

# **Cellular Location**

Rough endoplasmic reticulum {ECO:0000250|UniProtKB:055232}. Cytoplasmic vesicle {ECO:0000250|UniProtKB:055232}. Synapse {ECO:0000250|UniProtKB:055232} Note=Associated with perikaryal rough endoplasmic reticulum as well as cytoplasmic large granular vesicles at synapses {ECO:0000250|UniProtKB:055232}

# **Tissue Location**





Abundantly expressed in subthalamic nucleus but undetectable in other brain regions tested (hypothalamus was not tested) and in heart, placenta, lung, liver, skeletal muscle, kidney and pancreas.

Hypocretin-2-Gly (Human) - Images