

**Hypocretin-2-Gly (Human)**  
**Synthetic Peptide**  
**Catalog # SP3072a****Specification**

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**Hypocretin-2-Gly (Human) - Product Information**Primary Accession  
Sequence[O43612](#)  
**NH2-RSGPPGLQGRLQRLQLQASGNHAAGILTM**  
**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:O55232}. Cytoplasmic vesicle {ECO:0000250|UniProtKB:O55232}. Synapse {ECO:0000250|UniProtKB:O55232} Note=Associated with perikaryal rough endoplasmic reticulum as well as cytoplasmic large granular vesicles at synapses {ECO:0000250|UniProtKB:O55232}

**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**