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# Orexin B, human
**Synthetic Peptide**
**Catalog # SP3071b**

## Specification

### Orexin B, human - Product Information

| | |
|---|---|
| Primary Accession | O43612 |
| Sequence | **NH2-RSGPPGLQGRLQRLLQASGNHAAGILTM-CONH2** |

### Orexin B, 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.

### Orexin B, 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.

**Orexin B, human - Images**