

Orexin B, human
Synthetic Peptide
Catalog # SP3071a**Specification**

Orexin B, human - Product InformationPrimary Accession
Sequence[O43612](#)
**NH2-RSGPPGLQGRLQRLQASGNHAAGILTM-
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