

DATASHEET

Version: 2016-08-18

Orexin B, rat, mouse**Cat. No.:** RP10416-0.5**Size:** 0.5 mg**Description:**

Orexin B is a hypothalamic neuropeptide stimulating food intake in rats. Orexin B activates OX2 receptors. Both OX1 and OX2 receptors are involved in maintaining arousal. OX2 receptors appear to be inhibitory autoreceptors on orexin-containing neurons. Orexin B stimulates food consumption in a similar manner to orexin A, but the effect did not last as long as that of orexin A. The affinity of orexin B for the OX1 receptor is significantly lower than that of orexin A. Binding affinities for the OX2 receptor are similar for orexin A and B.

C-Terminal: NH₂**Sequence (one-letter code):**RPGPPGLQGRLQRLLQANGNHAAGILTM-NH₂**Sequence (three-letter code):**

{ARG}{PRO}{GLY}{PRO}{PRO}{GLY}{LEU}{GLN}{GLY}{ARG}{
LEU}{GLN}{ARG}{LEU}{LEU}{GLN}{ALA}{ASN}{GLY}{ASN}{HI
S}{ALA}{ALA}{GLY}{ILE}{LEU}{THR}{MET}-NH₂

Solubility: Soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weight out a smaller portion of the contents.

Formula: C₁₂₆H₂₁₅N₄₅O₃₄S**Molecular Weight:** 2,936.4**Purity:** > 95%**Storage:**

Store at -20°C.

Note:

*For Non-Clinical Research Use Only *

