



## Product Data Sheet

---

<b>Product Name:</b>	Orexin B, mouse	
<b>Catalog Number:</b>	AS-65574 (1 mg)	Lot Number: See label on vial
<b>Sequence:</b>	Arg-Pro-Gly-Pro-Pro-Gly-Leu-Gln-Gly-Arg-Leu-Gln-Arg-Leu-Leu-Gln-Ala-Asn-Gly-Asn-His-Ala-Ala-Gly-Ile-Leu-Thr-Met-NH <sub>2</sub>  RPGPPGLQGRLQRLQLLQANGNHAAGILTM-NH <sub>2</sub>	
<b>Molecular Weight:</b>	2937.4	
<b>Peptide Purity:</b>	Peak Area by HPLC ≥95%	
<b>Storage:</b>	This peptide is shipped at ambient temperature. Upon receipt, store lyophilized peptide at –20°C or lower. Reconstituted peptide can be aliquoted and stored at –20°C or lower.	
<b>Description:</b>	Orexins are synthesized by posterolateral neurons in hypothalamus. They bind to orexin-1 (OxR1) and orexin 2 (OxR2) receptors. Orexin A can bind to both OxR1 and OxR2 while Orexin B can associate with OxR2 only. Both Orexins are involved in the regulation of arousal and sleep states, energy homeostasis, and autonomic central control.	
<b>Related Products:</b>	Orexin B, human, Cat# AS-65573 Orexin A, Cat# AS-24470	
<b>References:</b>	<ol style="list-style-type: none"><li>1. Martynska L., et.al., <i>Neuroendocr Lett</i> <b>4(26)</b>, 289-292 (2005)</li><li>2. Ebrahim I.O., et.al., <i>J of Royl Soc of Med</i> <b>95</b>, 227-230 (2002)</li><li>3. Chiou L-C., et.al., <i>Cur Pharm Des</i> <b>16(28)</b>, 3089-3100 (2010)</li></ol>	

*For Research Use Only*