



Product Data Sheet

Product Name:	Orexin B, human	
Catalog Number:	AS-65573 (1 mg)	Lot Number: See label on vial
Sequence:	Arg-Ser-Gly-Pro-Pro-Gly-Leu-Gln-Gly-Arg-Leu-Gln-Arg-Leu-Leu-Gln-Ala-Ser-Gly-Asn-His-Ala-Ala-Gly-Ile-Leu-Thr-Met-NH ₂ RSGPPGLQGRLQRLLQASGNHAAGILTM-NH ₂	
Molecular Weight:	2898.9	
Peptide Purity:	Peak Area by HPLC ≥95%	
Storage:	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.	
Description:	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.	
Related Products:	Orexin B, mouse, Cat# AS-65574 Orexin A, Cat# AS-24470	
References:	<ol style="list-style-type: none">1. Martynska L., et.al., <i>Neuroendocr Lett</i> 4(26), 289-292 (2005)2. Ebrahim I.O., et.al., <i>J of Royl Soc of Med</i> 95, 227-230 (2002)3. Ramanjaneya M., et.al., <i>Endocrinology</i> 151 (7), 3169-3180 (2010)	

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