

## Orexin A, Human, Mouse, Rat, Bovine, Canine, Ovine, Porcine

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Orexin A (hypocretin-1) is a hypothalamic neuropeptide regulating the feeding behavior. Central administration of orexin A to rats stimulated food consumption in a dose-dependent manner. The effect persisted at 4 h after injection, as orexin A seems to be resistant to peptidases. Orexin A specifically binds a G protein-coupled receptor, OX<sub>1</sub>R (IC<sub>50</sub> = 20 nM to displace 50 % of radiolabeled orexin A bound to this receptor). Orexin A produced in the amygdala induces wakefulness and plays a role in the induction of human emotions. Narcolepsy has been associated with orexin deficiency.

Catalog No.	5991358
Size	
Product Category	Catalog Peptide
Sequence	pGlu-Pro-Leu-Pro-Asp-Cys-Cys-Arg-Gln-Lys-Thr-Cys-Ser-Cys-Arg-Leu-Tyr-Glu-Leu-Leu-His-Gly-Ala-Gly-Asn-His-Ala-Ala-Gly-Ile-Leu-Thr-Leu-NH <sub>2</sub> (Disulfide bridge Cys6-Cys12, Cys7-Cys14)
CAS No.	205640-90-0
Mol. Formula	C <sub>152</sub> H <sub>247</sub> N <sub>47</sub> O <sub>44</sub> S <sub>4</sub>
Mol. Weight	3565.14
Purity	> 95%
MOQ	1 mg
Storage/Stability	-20°C/1 year
Shipping	Gel Packs