

## OX2R Protein, Human (Sf9, FLAG, His)

Cat. No.:	HY-P702084
Synonyms:	HCRT2R; Orexin receptor type 2; Ox-2-R; Ox2-R; Ox2R; Hypocretin receptor type 2
Species:	Human
Source:	Sf9 insect cells
Accession:	O43614 (M1-Q254&K294-H388)
Gene ID:	3062
Molecular Weight:	64.6 KDa

### PROPERTIES

Appearance	Solution
Formulation	Supplied as a 0.22 µm filtered solution of 20 mM HEPES, pH7.5, 150 mM NaCl, 0.05% LMNG, 0.005% CHS, 0.005% sodium cholate.
Endotoxin Level	/
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

### DESCRIPTION

Background	OX2R Protein, a nonselective, high-affinity receptor, serves as a key binding site for both orexin-A and orexin-B neuropeptides. Upon orexin-A binding, OX2R triggers a notable elevation in cytoplasmic Ca(2+) levels, implicating its role in orchestrating cellular responses associated with the activation of these neuropeptides.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA