

OX1R Protein, Human (HEK293, FLAG, His)

Cat. No.:	HY-P701836
Synonyms:	HCRT1R1; Orexin/Hypocretin receptor type 1; Hypocretin receptor type 1; Orexin receptor type 1; Ox-1-R; Ox1-R; Ox1R
Species:	Human
Source:	HEK293
Accession:	O43613
Gene ID:	3061
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 20 mM HEPES, pH7.5, 150 mM NaCl, 1 µM SB-674042, 0.05% LMNG, 0.005% CHS, 0.005% sodium cholate.
Endotoxin Level	<1 EU/µg, determined by LAL method.
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	OX1R, a moderately selective excitatory receptor, demonstrates an affinity for both orexin-A and orexin-B neuropeptides. Upon binding with orexin-A, OX1R initiates a cascade of cellular events, leading to an elevation in cytoplasmic Ca(2+) levels. This interaction highlights OX1R's role as a mediator in orexin neuropeptide signaling, contributing to the modulation of intracellular calcium dynamics in response to orexin-A binding.
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Caution: Product has not been fully validated for medical applications. For research use only.

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