PRODUCT INFORMATION

Tag	C-Flag&Strep Tag
Target	OX2R
Synonyms	ORXR2, OX2R, OXR2
Description	Human OX2R-Strep full length protein-synthetic nanodisc
Delivery	6~8weeks
Uniprot ID	O43614
Expression Host	HEK293
Protein Families	Druggable Genome,
Protein Pathways	GPCRDB Class A Rhodopsin-like,Neurotrophin & Receptors,
Molecular Weight	The human full length OX2R-Strep protein has a MW of 50.7 kDa
Formulation & Reconstitution	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
Storage & Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	The protein encoded by this gene is a G-protein coupled receptor involved in the regulation of feeding behavior. The encoded protein binds the hypothalamic neuropeptides orexin A and orexin B. A related gene (HCRTR1) encodes a G-protein coupled receptor that selectively binds orexin A. [provided by RefSeq, Jan 2009]
Usage	Research use only
Conjugate	Unconjugated

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