

**PRODUCT INFORMATION**

<b>Target</b>	OX2R
<b>Synonyms</b>	ORXR2, OX2R, OXR2
<b>Description</b>	Human OX2R full length protein-synthetic nanodisc
<b>Delivery</b>	6~8weeks
<b>Uniprot ID</b>	O43614
<b>Expression Host</b>	HEK293
<b>Protein Families</b>	Druggable Genome,
<b>Protein Pathways</b>	GPCRDB Class A Rhodopsin-like, Neurotrophin & Receptors,
<b>Molecular Weight</b>	The human full length OX2R protein has a MW of 50.7kDa
<b>Formulation &amp; Reconstitution</b>	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 pH lower than 6.5 in subsequent experiments.
<b>Storage &amp; Shipping</b>	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.
<b>Background</b>	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]
<b>Usage</b>	Research use only

