

Datasheet for ABIN7554859
OLR1 Protein (AA 1-273) (His tag)



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Overview

Quantity:	1 mg
Target:	OLR1
Protein Characteristics:	AA 1-273
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OLR1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant OLR1 Protein expressed in mammalian cells.
Sequence:	MTFDDLKIQT VKDQPDEKSN GKKAKGLQFL YSPWWCLAAA TLGVLCLGLV VTIMVLGMQL SQVSDLLTQE QANLTHQKKK LEGQISARQQ AEEASQESEN ELKEMIETLA RKLNEKSKEQ MELHHQNLNL QETLKRVANC SAPCPQDWIW HGENCYLFSS GSFNWEKSQE KCLSLDAKLL KINSTADLDF IQQAISYSSF PFWMGLSRRN PSYPWLWEDG SPLMPHLFRV RGAVSQTYP GTCAYIQRGA VYAENCILAA FSICQKKANL RAQ Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	OLR1
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Alternative Name:	OLR1 (OLR1 Products)
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Background:	<p>Oxidized low-density lipoprotein receptor 1 (Ox-LDL receptor 1) (C-type lectin domain family 8 member A) (Lectin-like oxidized LDL receptor 1) (LOX-1) (Lectin-like oxLDL receptor 1) (hLOX-1) (Lectin-type oxidized LDL receptor 1) [Cleaved into: Oxidized low-density lipoprotein receptor 1, soluble form],FUNCTION: Receptor that mediates the recognition, internalization and degradation of oxidatively modified low density lipoprotein (oxLDL) by vascular endothelial cells. OxLDL is a marker of atherosclerosis that induces vascular endothelial cell activation and dysfunction, resulting in pro-inflammatory responses, pro-oxidative conditions and apoptosis. Its association with oxLDL induces the activation of NF-kappa-B through an increased production of intracellular reactive oxygen and a variety of pro-atherogenic cellular responses including a reduction of nitric oxide (NO) release, monocyte adhesion and apoptosis. In addition to binding oxLDL, it acts as a receptor for the HSP70 protein involved in antigen cross-presentation to naive T-cells in dendritic cells, thereby participating in cell-mediated antigen cross-presentation. Also involved in inflammatory process, by acting as a leukocyte-adhesion molecule at the vascular interface in endotoxin-induced inflammation. Also acts as a receptor</p>
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Target Details

for advanced glycation end (AGE) products, activated platelets, monocytes, apoptotic cells and both Gram-negative and Gram-positive bacteria. {ECO:0000269|PubMed:11821063, ECO:0000269|PubMed:12354387, ECO:0000269|PubMed:9052782}., FUNCTION: (Microbial infection) May serve as a receptor for adhesin A variant 3 (nadA) of N.meningitidis. {ECO:0000305|PubMed:27302108}.

Molecular Weight: 31.0 kDa

UniProt: [P78380](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months