

Product datasheet for PH304704

LOX 1 (OLR1) (NM_002543) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	OLR1 MS Standard C13 and N15-labeled recombinant protein (NP_002534)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204704
Predicted MW:	31 kDa
Protein Sequence:	>RC204704 protein sequence Red=Cloning site Green=Tags(s) MTFDDLKIQTVKDQPDEKSNKKAKGLQFLYSPWWCLAAATLGVLCGLVVTIMVLGMQLSQVSDLLTQE QANLTHQKKKLEGQISARQQAEEASQSENELKEMIETLARKLNEKSKEQMEHHQNLNLQETLKRVANC SAPCPQDWIWHGENCYLFSSGSFNWEKSQEKCLSLDAKLLKINSTADLDFIQQAISYSSFPFWMGLSRRN PSYPWLWEDGSPMLPHLFRVRGAVSQTYPSGTCAIYIQRGAVYAENCILAAFSICQKKANLRAQ TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002534
RefSeq Size:	2533
RefSeq ORF:	819
Synonyms:	CLEC8A; LOX1; LOXIN; SCARE1; SLOX1
Locus ID:	4973
UniProt ID:	P78380 , A0A024RAU0



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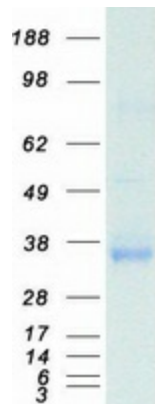
Cytogenetics: 12p13.2

Summary: This gene encodes a low density lipoprotein receptor that belongs to the C-type lectin superfamily. This gene is regulated through the cyclic AMP signaling pathway. The encoded protein binds, internalizes and degrades oxidized low-density lipoprotein. This protein may be involved in the regulation of Fas-induced apoptosis. This protein may play a role as a scavenger receptor. Mutations of this gene have been associated with atherosclerosis, risk of myocardial infarction, and may modify the risk of Alzheimer's disease. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Feb 2010]

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: PPAR signaling pathway

Product images:



Coomassie blue staining of purified OLR1 protein (Cat# [TP304704]). The protein was produced from HEK293T cells transfected with OLR1 cDNA clone (Cat# [RC204704]) using MegaTran 2.0 (Cat# [TT210002]).