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Product datasheet for TP526641

Olr1 (NM_138648) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse oxidized low density lipoprotein (lectin-like) receptor 1 (Olr1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226641 representing NM_138648 Red=Cloning site Green=Tags(s) MTFDDKMKPANDEPDQKSCGKKPKGLHLLSSPWWFPAAMTLVILCLVLSVTLIVQWTQLRQVSDLLKQYQ ANLTQQDRILEGQMLAQQKAENTSQESKKELKGKIDTLTQKLNEKSKEQEELLQKNQNLQEALQRAANSS EESQRELKGKIDTITRKLDEKSKEQEELLQMIQNLQEALQRAANSSEESQRELKGKIDTLTLKLNEKSKE QEELLQKNQNLQEALQRAANFSGPCPQDWLWHKENCYLFHGPFSWEKNRQTCQSLGGQLLQINGADDLTF ILQAISHTTSPFWIGLHRKKPGQPWLWENGTPLNFQFFKTRGVSLQLYSSGNCAYLQDGAVFAENCILIA FSICQKKTNHLQI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	42.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_619589
Locus ID:	108078
UniProt ID:	Q9EQ09

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RefSeq Size:	3581
Cytogenetics:	6 F3
RefSeq ORF:	1089
Synonyms:	LOX-1; Scare1; SR-EI
Summary:	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 for advanced glycation end (AGE) products, activated platelets, monocytes, apoptotic cells and both Gram-negative and Gram-positive bacteria (By similarity).[UniProtKB/Swiss-Prot Function]