Recombinant human LOX-1/OLR1 protein

Catalog Number: ATGP3477

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
58-273aa

UniProt No.
P78380

NCBI Accession No.
NP_002534

Alternative Names
Oxidized low-density lipoprotein receptor 1 isoform 1, OLR1, CLEC8A, LOX1, hLOX-1, LOXIN, SCARE1, SLOX1

PRODUCT SPECIFICATION

Molecular Weight
25.8 kDa (225aa)

Concentration
1mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 95% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
OLR1, as known as oxidized low-density lipoprotein receptor 1, is a type 2 transmembrane receptor belonging to the C-type lectin family. It belongs to the functionally defined scavenger receptor (SR) superfamily. This protein is the first member of the class E scavenger receptor subfamily. Also, this protein may play a role in the progression of vulnerable carotid plaque and might regulate vulnerable plaque formation in cooperation with

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MMPs and TIMP2. Recombinant human OLR1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

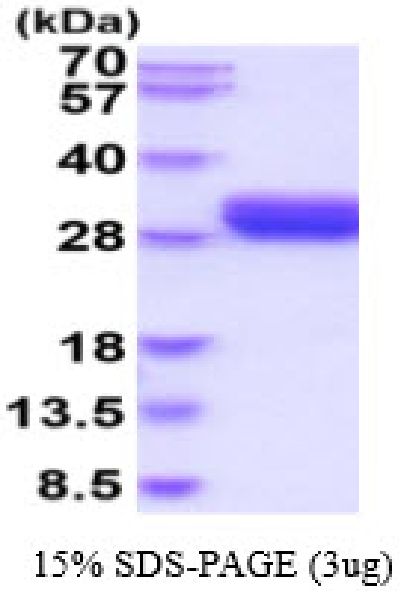
ADPMQLSQVS DLLTQEQANL THQKKKLEGQ ISARQQAEEA SQESENELKE MIETLARKLN EKSKEQMELH HQNLNLQETL KRVANCSAPC PQDWIWHGEN CYLFSSGSFN WEKSQEKCLS LDAKLLKINS TADLDFIQQA ISYSSFPFWM GLSRRNPSYP WLWEDGSPLM PHLFRVRGAV SQTYPSGTCA YIQRGAVYAE NCILAAFSIC QKKANLRAQH HHHHH

General References

Higuma T., et al, (2015) Circ. J. 79:641-648.
Tejedor JR., et al, (2015) RNA. 21:1187-1202.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.