HUMAN LOX-1 PROTEIN, HFC TAG

Cat.#: 11968

Product Name: Human LOX-1 Protein

Size : 10 μg, 50 μg and 100 μg

Synonyms: CLEC8A;LOX1;LOXIN;SCARE1;SLOX1;OLR1

Target: LOX-1

UNIPROT ID: P78380

Description: Recombinant Human LOX-1 Protein with N-terminal human Fc tag

Background: 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]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 50.9 kDa after removal of the signal peptide. The apparent molecular mass of hFc-LOX-1 is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: hFc(Glu99-Ala330) LOX-1(Met58-Gln273)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: 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.

Storage & Shipping: Store at -20ºC to -80ºC for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80ºC (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
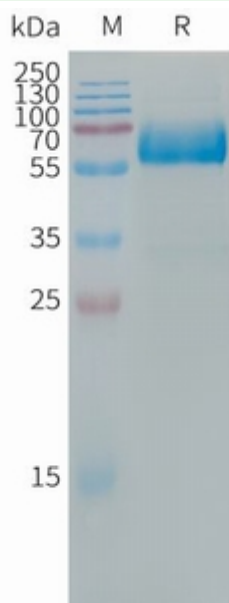
Figure 1.Human LOX-1 Protein, hFc Tag on SDS-PAGE under reducing condition.