Human CellExp™ SCARB2 /CD36L2 /LIMP2, human recombinant

CATALOG #: 7509-10 10 µg
7509-50 50 µg

ALTERNATE NAMES: SCARB2, CD36L2, LIMP2, LIMPII, LGP85, CD36, AMRF, EPM4, HLGP85, SR-BII

SOURCE: HEK 293 cells (Arg 27 – Thr 432)

PURITY: ≥ 95% by SDS-PAGE gel

MOL. WEIGHT: This protein fused with Fc fragment of human IgG1 at the C-terminus, has a calculated MW of 72.5 kDa. The predicted N-terminus is Arg 27. DTT-reduced Protein migrates as 90-115 kDa due to glycosylation.

ENDOTOXIN LEVEL: < 1.0 EU per µg of the rhCD172a by the LAL method.

FORM: Lyophilized

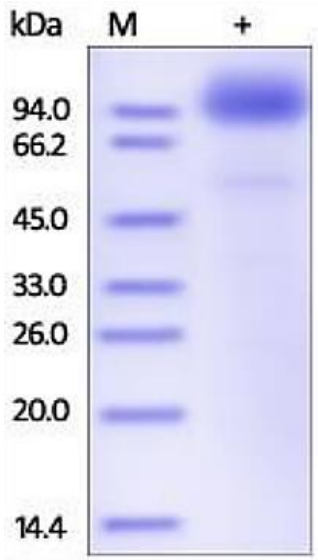
FORMULATION: Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM glycine, pH 7.5. Normally Mannitol or Trehalose are added as protectants before lyophilization.

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C or -70°C for up to 3 months. Avoid repeated freezing and thawing cycles. No activity loss was observed after storage in lyophilized state for 1 year (4ºC) and after reconstitution under sterile conditions for 3 months (-70ºC).

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in PBS, pH 7.4. Do not vortex.

DESCRIPTION: Scavenger receptor class B member 2 (SCARB2) is also known as Lysosome membrane protein 2 (LIMP2), 85 kDa lysosomal membrane sialoglycoprotein (LGP85), CD36 antigen-like 2 (CD36L2, LIMP2), which belongs to the CD36 family. SCARB2 acts as a lysosomal receptor for glucosylceramidase (GBA) targeting. It may participate in membrane transportation and the reorganization of endosomal/lysosomal compartment. LIMPII is identified as a receptor for EV71 (human enterovirus species A, Enterovirus 71) and CVA16 (coxsackievirus A16) which are most frequently associated with hand, foot and mouth disease (HFMD). Expression of human LIMP2 enables normally unsusceptible cell lines to been shown to bind thrombospondin-1, may contribute to the pro-adhesive changes of activated platelets during coagulation, and inflammation. Deficiency of the protein in mice impairs cell membrane transport processes and causes pelvic junction obstruction, deafness, and peripheral neuropathy.

BIOLOGICAL ACTIVITY: Measured by its binding ability in a functional ELISA. Immobilized rh SCARB2 / CD36L2/ LIMP2 Fc Chimera at 5 µg/ml (100 µl/well) can bind rhTSP-2/His with a linear range of 0.1 - 5 µg/ml.



Human recombinant SCARB2 /CD36L2 /LIMP2. The purity of rh SCARB2 /CD36L2 /LIMP2 was determined by DTT-reduced (+) SDSPAGE and staining overnight with Coomassie Blue.

RELATED PRODUCTS:

- Human CellExp™ CD223, human recombinant **(Cat. No. 7278-10, -50)**
- Human CellExp™ CD71, human recombinant **(Cat. No. 7279-10, -50)**
- Human CellExp™ CD273, human recombinant **(Cat. No. 7369-10, -50)**
- Human CellExp™ CD33, human recombinant **(Cat. No. 7370-10, -50)**
- Human CellExp™ CD36, human recombinant **(Cat. No. 7371-10, -50)**
- Human CellExp™ CD87, human recombinant **(Cat. No. 7372-20, -100)**
- Human CellExp™ CD360, human recombinant **(Cat. No. 7373-20, -100)**
- Human CellExp™ CD244, human recombinant **(Cat. No. 7374-10, -50)**

FOR RESEARCH USE ONLY! Not to be used in humans.