

Recombinant Human SCARB2 Protein, Fc-tagged

Cat. No. SCARB2-437H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human SCARB2 protein with Fc tag was expressed in HEK293.

Species Human

Source HEK293

ProteinLength 478

Description

The protein encoded by this gene is a type III glycoprotein that is located primarily in limiting membranes of lysosomes and endosomes. Earlier studies in mice and rat suggested that this protein may participate in membrane transportation and the reorganization of endosomal/lysosomal compartment. The protein deficiency in mice was reported to impair cell membrane transport processes and cause pelvic junction obstruction, deafness, and peripheral neuropathy. Further studies in human showed that this protein is a ubiquitously expressed protein and that it is involved in the pathogenesis of HFMD (hand, foot, and mouth disease) caused by enterovirus-71 and possibly by coxsackievirus A16. Mutations in this gene caused an autosomal recessive progressive myoclonic epilepsy-4 (EPM4), also known as action myoclonus-renal failure syndrome (AMRF). Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Form Lyophilized

Molecular Mass 72.5 kDa

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AA Sequence	MGRCCFYTAGTLSLLLLVTSVTLVARVFQKAVDQSIEKKIVLRNGTEAFDSWEKPPL PVYTQFYFFNVNPEEILRGETPRVEEVGPYTYRELRNKANIQFGDNGTTISAVSNKA YVFERDQSVGDPKIDLIRTLNIPVLTVIEWSQVHFLREIIEAMLKAYQQKLFVTHTVDE LLWGYKDEILSLIHVFRPDISPYFGLFYEKNGTNDGDYVFLTGEDSYLNFTKIVEWNG KTSLDWWITDKCNMINGTDGDSFHPLITKDEVLYVFPDFCRSVYITFSDYESVQGL PAFRYKVP AEILANTSDNAGFCIPEGNCLGSGVLNVSICKNGAPIIMSFPHFYQADER FVSAIEGMHPNQEDHETFVDINPLTGILKAAKRFQINIYVKLDDFVETGDIRTMVFPV MYLNE SVHIDKETASRLKSMINTTLIITNIPYIIMALGVFFGLVFTWLACKGQGSMD EG TADERAPLIRT
Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

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Gene Name	SCARB2 scavenger receptor class B, member 2 [Homo sapiens (human)]
Official Symbol	SCARB2
Synonyms	SCARB2; scavenger receptor class B, member 2; CD36 antigen (collagen type I receptor, thrombospondin receptor) like 2 (lysosomal integral membrane protein II) , CD36L2; lysosome membrane protein 2; HLGP85; LIMP 2; LIMPII; SR BII; LIMP II; CD36 antigen-like 2; lysosome membrane protein II; 85 kDa lysosomal membrane sialoglycoprotein; 85 kDa lysosomal sialoglycoprotein scavenger receptor class B, member 2; CD36 antigen (collagen type I receptor, thrombospondin receptor)-like 2 (lysosomal integral membrane protein II); AMRF; EPM4; LGP85; CD36L2; LIMP-2; SR-BII;
Gene ID	950
mRNA Refseq	NM_001204255
Protein Refseq	NP_001191184
MIM	602257
UniProt ID	Q14108

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