

Recombinant Human SCARB2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SCARB2-6629H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SCARB2 MS Standard C13 and N15-labeled recombinant protein (NP_005497) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	54.3 kDa
AA Sequence	MGRCCFYTAGTSLLLLLVTSVTLVVARVFQKAVDQSIEKKIVLRNGTEAFDSWEKPPL

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PVYTQFYFFNVTNP E EILRGETPRVEEVGPYTYRELRNKANIQFGDNGTTISAVSNKA
YVFERDQSVGDPKIDLIRTLNIPVLT VIEWSQVHFLREIIEAMLKAYQQKLFVTHTVDE
LLWGYKDEILSLIHVFRPDISPYFGLFYEKNGTNDGDYVFLTGEDSYLNFTKIVEWNG
KTSLDWWITDKCNMINGTDGDSFHPLITKDEVLYVFP SDFCRSVYITFSDYESVQGL
PAFRYKVP AEILANTSDNAGFCIPEGNCLGSGVLNVSICKNGAPIIMSFPHFYQADER
FVSAIEGMHPNQEDHETFDINPLTGIILKAAKRFQINIYVKKLDDFVETGDIRTMVFPV
MYLNE SVHIDKETASRLKSMINTT LIITNIPYIIMALGVFFGLVFTWLACKGQGSMDEG
TADERAPLIRTTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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,

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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_005506](#)

Protein Refseq [NP_005497](#)

MIM [602257](#)

UniProt ID [Q14108](#)

SDS-PAGE

