

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

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

## SPECIFICATION

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

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PVYTQFYFFNVTNP E EILRGETPRVEEVGPYTYRELRNKANIQFGDNGTTISAVSNKA  
 YVFERDQSVGDPKIDLIRTLNIPVLTVIEWSQVHFLREIIEAMLKAYQQKLFVTHTVDE  
 LLWGYKDEILSLIHVFRPDISP YFGLFYEKNGTNDGDYVFLTGEDSYLNFTKIVEWNG  
 KTSLDWWITDKCNMINGTDGDSFHPLITKDEVLYVFP SDFCRSVYITFSDYESVQGL  
 PAFRYKVP AEILANTSDNAGFCIPEGNCLGSGVLNVSICKNGAPIIMSFPHFYQADER  
 FVSAIEGMHPNQEDHETFVDINPLTG IILKAAKRFQINIYVKKLDDFVETGDIRTMVFPV  
 MYLNE SVHIDKETASRLKSMINTT LIITNIPYIIMALGVFFGLVFTWLACKGQGSMD EG  
 TADERAPLIRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**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

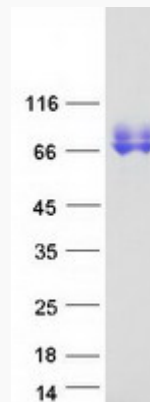
**mRNA Refseq** NM\_005506

**Protein Refseq** NP\_005497

**MIM** 602257

**UniProt ID** Q14108

**SDS-PAGE**



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