

Recombinant Full Length Human SCARB2 Protein, C-Flag-tagged

Cat. No. SCARB2-2073HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SCARB2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	54.1 kDa

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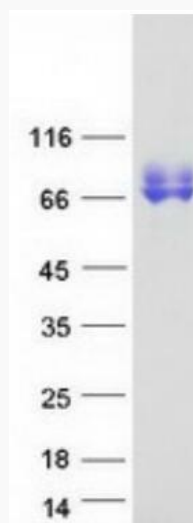
AA Sequence	MGRCCFYTAGTSLLLLLVTSVTLVARVFQKAVDQSIEKKIVLRNGTEAFDSWEKPPL PVYTQFYFFNVT NPEEILRGETPRVEEVGPYTYRELRNKANIQFGDNGTTISAVSNK AYVFERDQSVGDPKIDLIRTLNIPV LTVIEWSQVHFLREIIEAMLKAYQQKLFVTHTVD ELLWGYKDEILSLIHVFRPDIPYFGLFYEKNGTND GDYVFLTGEDSYLNFTKIVEWN GKTSLDWWITDKCNMINGTDGDSFHPLITKDEVLYVFPSPDFCRSVYIT FSDYESVQG LPAFRYKVP AEILANTSDNAGFCIPEGNCLGSGVLNVSICKNGAPIIMSFPHFYQADE RFV SAIEGMHPNQEDHETFVDINPLTG IILKAAKRFQINIYVKKLDDFVETGDIRTMVF PVMYLNESVHIDKE TASRLKSMINTTLITNIPYIIMALGVFFGLVFTWLACKGQGSM EGTADERAPLIRT TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Lysosome
Full Length	Full L.
GENE INFORMATION	
Gene Name	SCARB2 scavenger receptor class B member 2 [Homo sapiens (human)]

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Official Symbol	SCARB2
Synonyms	AMRF; EPM4; LGP85; CD36L2; HLGP85; LIMP-2; LIMPII; SR-BII
Gene ID	950
mRNA Refseq	NM_005506.4
Protein Refseq	NP_005497.1
MIM	602257
UniProt ID	Q14108



Coomassie blue staining of purified SCARB2 protein.