

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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 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence

MGRCCFYTAGTLSLLLLVTSVTLVVARVFQKAVDQSIEKKIVLRNGTEAFDSWEKPPL
 PVYTQFYFFNVT NPEEILRGETPRVEEVGPYTYRELRNKANIQFGDNGTTISAVSNK
 AYVFERDQSVGDPKIDLIRTLNIPV LTVIEWSQVHFLREIIEAMLKAYQQKLFVTHTVD
 ELLWGYKDEILSLIHVFRPDISPYPFLFYEKNGTND GDYVFLTGEDSYLNFTKIVEWN
 GKTSLDWWITDKCNMINGTDGDSFHPLITKDEVLYVFPSPDFCRSVYIT FSDYESVQG
 LPAFRYKVP AEILANTS DNAGFCIPEGNCLGSGVLNVSICKNGAPIIMSFPHFYQADE
 RFV SAIEGMHPNQEDHETFVDINPLTG IILKAAKRFQINIYVKKLDDFVETGDIRTMVF
 PVMYLNESVHIDKE TASRLKSMINTLIITNIPYIIMALGVFFGLVFTWLACKGQGSMD
 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

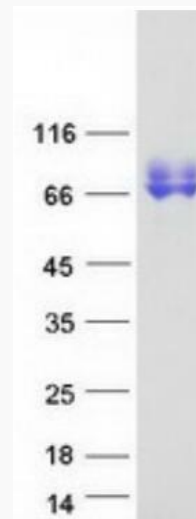
Gene Name [SCARB2 scavenger receptor class B member 2 \[Homo sapiens \(human\) \]](#)

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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.

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