

32-8777: Recombinant Mouse Scavenger Receptor B2/SR-B2/LIMPII/CD36L2 (N-6His)

Gene : Scarb2
Gene ID : 12492
Uniprot ID : O35114

Description

Source: Human Cells.
MW :73.4kD.

Recombinant Mouse LIMPII is produced by our Mammalian expression system and the target gene encoding Arg27-Thr432 is expressed with a Fc tag at the C-terminus. Lysosome membrane protein II (LIMPII), also known as SCARB2, is a type III multi-pass membrane glycoprotein that is located primarily in limiting membranes of lysosomes and endosomes on all tissues and cell types so far examined. 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 identified as a receptor for EV71 (human enterovirus species A, Enterovirus 71) and CVA16 (coxsackievirus A16) which are most frequently associated with hand, foot and mouth disease (HFMD). 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. In addition, LIMPII also has been shown to bind thrombospondin-1, may contribute to the pro-adhesive changes of activated platelets during coagulation, and inflammation.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 50mM Tris-Citrate, 0.3M NaCl, pH6.5.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : RVFQKAVDQTIEKNMVLQNGTKVFNSWEKPLPVYIQFYFFNVTNPPEILQGEIPLLEEVGPYTYRELNRKANIQF
GENGTTISAVTNKAYVFERNQSVGDPNVDLIRTINIPLLTVVDLAQLTLLRELIEAMLKAYQQKLFVIHTVHELLW
GYKDEILSLVHIFKPDVSPNFGLFYERNGTNDGEYVFLTGEDNYLNFSKIVEWNGKTSLDWWTDDTCNMINGT
DGDSFHPLISKDEVLYLFPDLCRSVHITFSSFENVEGLPAFRYKVPAILANTSENAGFCIPEGNCMDSGVLNISI
CKNGAPIIMSFPHFYQADEKVFSAIKGMHPNKEEHESFVDINPLTGIIIRGAKRFQINTYVRKLDLDFVETGDIRTM
VFPVMYLNESVLIDKETANQLKSVINTTVDDIEGRMDEPKCDKTHTCPPELGGPSVFLFPPKPKDTLMIS
RTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNK
ALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDS
GSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKLSLSLSPGK

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.