Recombinant Mus musculus Nogo-B receptor

Catalog No: #AP73117

Package Size: #AP73117-1 20ug #AP73117-2 100ug #AP73117-3 1mg

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Description

Product Name	Recombinant Mus musculus Nogo-B receptor
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:24-120aaSequence Info:Cytoplasmic Domain
Other Names	Di-trans,poly-cis-decaprenylcistransferaseCurated Nogo-B receptorBy similarity Short name: NgBRBy similarity Nuclear undecaprenyl pyrophosphate synthase 1 homolog
Accession No.	Q99LJ8
Uniprot	Q99LJ8
GeneID	52014;
Calculated MW	13 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	SWLRVRFGTWNWIWRRCCRAASAAVLAPLGFTLRKPRAVGRNRRHHRHPHGGPGPGPGPAATHPRLRWR ADVRSLQKLPVHMGLLVTEEVQEPSFSD
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

With DHDDS, forms the dehydrodolichyl diphosphate synthase (DDS) complex, an essential component of the dolichol monophosphate (Dol-P) biosynthetic machinery. Adds multiple copies of isopentenyl pyrophosphate (IPP) to farnesyl pyrophosphate (FPP) to produce dehydrodolichyl diphosphate (Dedol-PP), a precusrosor of dolichol which is utilized as a sugar carrier in protein glycosylation in the endoplasmic reticulum (ER). Regulates the glycosylation and stability of nascent NPC2, thereby promoting trafficking of LDL-derived cholesterol. Acts as a specific receptor for the N-terminus of Nogo-B, a neural and cardiovascular regulator.

References

"The transcriptional landscape of the mammalian genome."Carninci P., Kasukawa T., Katayama S., Gough J., Frith M.C., Maeda N., Oyama R., Ravasi T., Lenhard B., Wells C., Kodzius R., Shimokawa K., Bajic V.B., Brenner S.E., Batalov S., Forrest A.R., Zavolan M., Davis M.J. Hayashizaki Y.Science 309:1559-1563(2005)Research Topic:Others

Note: This product is for in vitro research use only