

Recombinant Mouse NUS1 Protein (24-120 aa), His-tagged

Cat. No. NUS1-1705M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse NUS1 Protein (24-120 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Mouse
Source	Yeast
ProteinLength	24-120 aa
Description	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 precursor 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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	13.0 kDa
AA Sequence	SWLRVRFGTWNWIWRRCCRAASAAVLAPLGFTLRKPRAVGRNRRHHRHPHGGPG PGPGPAATHPRLRWRADVRSLQKLPVHMGLLVTEEVQEPSFSD

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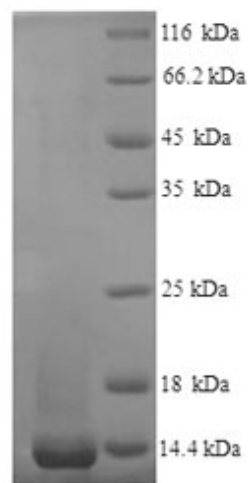
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.
GENE INFORMATION	
Gene Name	Nus1 nuclear undecaprenyl pyrophosphate synthase 1 homolog (S. cerevisiae) [Mus musculus]
Official Symbol	NUS1
Synonyms	NUS1; nogo-B receptor; ngBR; AU019165; AW538011; BC003223; D10Ert438e; MGC7199; 1600027K07Rik;
Gene ID	52014
mRNA Refseq	NM_030250
Protein Refseq	NP_084526
UniProt ID	Q99LJ8

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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