

Product datasheet for TP504923

Dhdds (NM_026144) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse dehydrodolichyl diphosphate synthase (Dhdds), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204923 protein sequence Red=Cloning site Green=Tags(s)

MSWIKEGELSLWERFCANIIKAGPVPKHIAFIMDGNRRYAKKCQVERQEGHTQGFNKLAE^{Red}TLRWCLNLGI
LEVTVYAFSIENFKRSKSEVDGLLDLARQKFSCLMEEQEKLQKHGVCIRVLGDLHLLPLDLQEIAHAIQ
ATKNYNKCFLNVCFAYTSRHEIANAVREMAWGVEQGLLEPSDVSESLLDKCLYSNHSPHPDILIRTSGEV
RLSDFLLWQTSHSCLVFQPVLWPEYTFWNLCEAILQFQRNHGALQKARDMYAEERKRRQLERDQAAVTEQ
LLREGLQASGDAQLRRTLHKLSTKREERVQGFLKALELKRANWLALWGTASA

^{Red}TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	38.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_080420
Locus ID:	67422
UniProt ID:	Q99KU1



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RefSeq Size: 3110

Cytogenetics: 4 D3

RefSeq ORF: 1002

Synonyms: 3222401G21Rik; CIT; DS; HDS; W91638

Summary: With NUS1, forms the dehydrodolichyl diphosphate synthase (DDS) complex, an essential component of the dolichol monophosphate (Dol-P) biosynthetic machinery. Both subunits contribute to enzymatic activity, i.e. condensation of multiple copies of isopentenyl pyrophosphate (IPP) to farnesyl pyrophosphate (FPP) to produce dehydrodolichyl diphosphate (Dedol-PP), a precursor of dolichol phosphate 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.[UniProtKB/Swiss-Prot Function]