

Product datasheet for TP510597

Gfm2 (NM_177266) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse G elongation factor, mitochondrial 2 (Gfm2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210597 protein sequence Red =Cloning site Green =Tags(s) MFTKWRIFAVNHQRTFSVHLNNTMCYCKIKANLRLKTQLPLTRNYSSAPAGSDVKSLHSVINPPVAKIRN IGIMAHIDAGKTTTTERILYYSGYTRSLGDVDDGDTVTDFMAQERERGITIQSAAVTLDWKG YRVNLIDT PGHVDFTLEVERCLRVLGDGAVAVFDASAGVEAQLTVWRQADKHKIPRICFLNKMDKTGASFNYAVESIR EKLKAKPLILQLPIGEARTFQGVVDVWNKEKLVWNSNSDDGKDFERMPLEASDRELLKETIEARNSLIE QVADLDDEFADLVLGEFSENF DLVPAEKLQAAVHRVTLAQAAVPVLCGSALKNKGVQPLLDVATTYLPSP EEREDRFLQWYEGDL CALAFKVLHDKQRGPLVFLRIYSGTLTPQLAVHNINRNCTERMSRLLLPFADQHV EIPSLTAGNIALTVGLKQTATGDTIVSSKSSALAAARRAGRGEREHGKKREAESLLLAGVEVPEPVFFCT IEPPSVAKQPDLDHALERLQREDPSLKVKLPDPSGQTVLCGMGELHIEIHDRIKREYGLETYLGLPLQVA YRETILNSVRATDTLDRVLGDKRHLVSAELEVRPAEPCAVAKIEYADCVGEDLLQASREAIESAVHSAC LQGPLLGSVPQDVAMTLHSLMIHPGTSTTMTACISRCMQKALKKADTQVLEPLMSLEVTVSREYLSPLV ADLAQRRGNIQEIQTRQDNRVVLGFVPLAEIMGYSTVLRLTSGSATFALELSTYQAMSPQDQSALLNQR SGLARVL TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	85.9 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.


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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_796240
Locus ID:	320806
UniProt ID:	Q8R2Q4
RefSeq Size:	3198
Cytogenetics:	13 D1
RefSeq ORF:	2331
Synonyms:	6530419G12Rik; A930009M04Rik; EF-G2mt; EFG2; MST027; RRF2mt
Summary:	Mitochondrial GTPase that mediates the disassembly of ribosomes from messenger RNA at the termination of mitochondrial protein biosynthesis. Acts in collaboration with MRRF. GTP hydrolysis follows the ribosome disassembly and probably occurs on the ribosome large subunit. Not involved in the GTP-dependent ribosomal translocation step during translation elongation.[UniProtKB/Swiss-Prot Function]