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Product datasheet for TP510468

Gfm1 (NM_138591) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse G elongation factor, mitochondrial 1 (Gfm1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210468 protein sequence Red=Cloning site Green=Tags(s) MRLLRVAAALGRGPFPRVPAVLGWQGKQADWKTRRWCSSGPVPNEKIRNIGISAHIDSGKTTLTERVLYY TGRIATMHEVKGKDGVGAVMDSMELERQRGITIQSAATYTMWKDININIIDTPGHVDFTIEVERALRVLD GAVLVLCAVGGVQCQTMTVSRQMKRYNVPFLTFINKLDRMGSNPSRALQQMRSKLNHNAAFVQIPIGLEG DFKGIIDLIEERAIYFDGDFGQIVRYDEIPAGLRAAAADHRQELIECVANSDEQLGELFLEEKIPSVSDL KRAIRRATLSRSFTPVFLGSALKNKGVQPLLDAVLEYLPNPSEVQNYAILNQNDSKEKTKILMNPQRDDS HPFVGLAFKLEAGRFGQLTYVRNYQGELKKGSTIYNTRTGKKVRVQRLVRMHADMMEDVEEVYAGDICAL FGIDCASGDTFTNKDNSDLSMESIHVPEPVISIAMRPSNKNDLEKFSKGIGRFTREDPTFKVHFDPESKE TIVSGMGELHLEIYAQRMEREYGCSCITGKPKVAFRETIVAPVPFDFTHKKQSGGAGQFGKVIGVLEPLP PEDYTKLEFSDETFGSNVPKQFVPAVEKGFLDACEKGPLSGHKLSGLRFVLQDGAHHMVDSNEISFIRAG EGALKQALANGTLCIIEPIMSVEVIAPNEFQGTVFAGINRRHGVITGQDGIEDYFTLYADVPLNNMFGYS TELRSCTEGKGEYTMEYCRYQPCSPSTQEELINKYLEATGQLPVKKGKAKN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	83.5 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.

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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_613057
Locus ID:	28030
UniProt ID:	Q8K0D5
RefSeq Size:	2598
Cytogenetics:	3 30.96 cM
RefSeq ORF:	2256
Synonyms:	AW545374; D3Wsu133e; Gfm
Summary:	Mitochondrial GTPase that catalyzes the GTP-dependent ribosomal translocation step during translation elongation. During this step, the ribosome changes from the pre-translocational (PRE) to the post-translocational (POST) state as the newly formed A-site-bound peptidyl-tRNA and P-site-bound deacylated tRNA move to the P and E sites, respectively. Catalyzes the coordinated movement of the two tRNA molecules, the mRNA and conformational changes in the ribosome. Does not mediate the disassembly of ribosomes from messenger RNA at the termination of mitochondrial protein biosynthesis.[UniProtKB/Swiss-Prot Function]

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