

Product datasheet for **TP308239M**

GFM1 (NM_024996) Human Recombinant Protein

Product data:

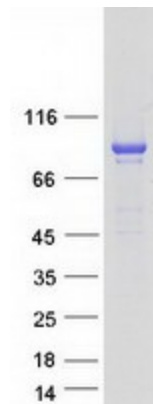
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human G elongation factor, mitochondrial 1 (GFM1), nuclear gene encoding mitochondrial protein, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208239 protein sequence Red =Cloning site Green =Tags(s)
	<p>MRLLGAAVAALGRGRAPASLGWQRKQVNWKACRWSSSGVIPNEKIRNIGISAHIDSGKTTLTERVLYYT GRIAKMHEVKGKDGVGAVMDSMELERQRGITIQSAATYTMWKDVNINIIDTPGHVDFTEVERALRVLDG AVLVLCVGGVQCQTMTVNRQMKRYNVPFLTFINKLDRMGSNPARALQQMRSKLNHNAAFMQIPMGLEGN FKGIVDLIEERAIYFDGDFGQIVRYGEIPAELRAAATDHRQELIECVANSDEQLGEMFLEEKIPSISDLK LAIRRATLKRSFTPVFLGSALKNKGVQPLLDVAVLEYLPNPSEVQNYAILNKEDDSKEKTKILMNSSRDNS HPFVGLAFKLEVGRFGQLTYVRSYQGELKKGDTIYNTRTRKKVRLQRLARMHADMMEDVEEYAGDICAL FGIDCASGDTFTDKANSGLSMESIHVPDPVISIAMKPSNKNLEKFSKGIGRFTREDPTFKVYFDTENKE TVISGMGELHLEIYAQRLEREYGCPCITGPKVAFRETITAPVPFDTHKKQSGGAGQYGKIVGVLEPLD PEDYTKLEFSDETFGSNIPKQFVPAVEKGLDACEKGPLSGHKLSGLRFVLQDGAHHMVDSNEISFIRAG EGALKQALANATLCILEPIMAVEVAPNEFQGQVIAGINRRHGVITGQDGVEDYFTLYADVPLNDMFGYS TELRSCTEGKGEYTMESRYQPCLPSTQEDVINKYLEATGQLPVKKGKAKN</p> <p>SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	83.3 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C.
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_079272
Locus ID:	85476
UniProt ID:	Q96RP9 , E5KND5
RefSeq Size:	3468
Cytogenetics:	3q25.32
RefSeq ORF:	2253
Synonyms:	COXPD1; EFG; EFG1; EFGM; EGF1; GFM; hEFG1; mtEF-G1
Summary:	Eukaryotes contain two protein translational systems, one in the cytoplasm and one in the mitochondria. Mitochondrial translation is crucial for maintaining mitochondrial function and mutations in this system lead to a breakdown in the respiratory chain-oxidative phosphorylation system and to impaired maintenance of mitochondrial DNA. This gene encodes one of the mitochondrial translation elongation factors. Its role in the regulation of normal mitochondrial function and in different disease states attributed to mitochondrial dysfunction is not known. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified GFM1 protein (Cat# [TP308239]). The protein was produced from HEK293T cells transfected with GFM1 cDNA clone (Cat# [RC208239]) using MegaTran 2.0 (Cat# [TT210002]).