

# Recombinant Full Length Human GFM1 Protein, GST-tagged

**Cat. No.** GFM1-5381HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human GFM1 full-length ORF ( NP_079272.4, 1 a.a. - 751 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	751 amino acids
<b>Description</b>	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
<b>Molecular Mass</b>	109.9 kDa
<b>AA Sequence</b>	MRLLGAAAVAALGRGRAPASLGWQRKQVNWKACRWSSSGVIPNEKIRNIGISAHID SGKTTLTERVLYYTGRIAKMHEVKGKDGVGAVMDSMELERQRGITIQSAATYTMWK DVNINIIDTPGHVDFTIEVERALRVLDGAVLVLCVGGVQCQTMTVNRQMKRYNVFP LTFINKLDRMGSNPARALQQMRSKLNHNAAFQIPMGLEGNFKGIVDLIEERAIYFD GDFGQIVRYGEIPAELRAAATDHRQELIECVANSDEQLGEMFLEEKIPSISDLKLAIRR ATLKRSFTPVFLGSALKNKGVQPLLDVLEYLELPNPSEVQNYAILNKEDDSKEKTKILM

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NSSRDNSHPFVGLAFKLEVGRFGQLTYVRSYQGELKKGDTIYNTRTRKKVRLQRLA  
 RMHADMMEDVEEVYAGDICALFGIDCASGDTFTDKANGLSMESIHVPDPVISIAMK  
 PSNKNDLEKFSKGIGRFTREDPTFKVYFDTENKETVISGMGELHLEIYAQRLEREYG  
 CPCITGKPKVAFRETITAPVPFDFTHKKQSGGAGQYGKVVIGVLEPLDPEDYTKLEFSD  
 ETFGSNIPKQFVPAVEKGFLDACEKGPLSGHKLSGLRFVLQDGAHHMVDSNEISFIR  
 AGEKALKQALANATLTCILEPIMAVEVVAPNEFQGGQVIAGINRRRHGVITGQDGVEDYFT  
 LYADVPLNDMFGYSTEELRSCTEGKGEYTMESRYQPCLPSTQEDVINKYLEATGQL  
 PVKKGKAKN

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

GFM1 G elongation factor, mitochondrial 1 [ [Homo sapiens](#) ]

**Official Symbol**

GFM1

**Synonyms**

GFM1; G elongation factor, mitochondrial 1; G translation elongation factor, mitochondrial; elongation factor G, mitochondrial; EFGM; EGF1; GFM; EF-Gmt; mEF-G 1; elongation factor G1; mitochondrial elongation factor G; mitochondrial elongation factor G1; elongation factor G 1, mitochondrial; EFG; EFG1; hEFG1; COXPD1; FLJ12662; FLJ13632; FLJ20773;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Gene ID	85476
mRNA Refseq	NM_024996
Protein Refseq	NP_079272
MIM	606639
UniProt ID	Q96RP9

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA