

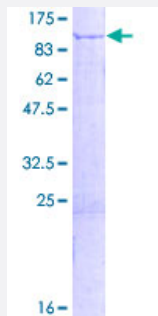
Full-Length

GFM1 (Human) Recombinant Protein (P01)

Catalog # H00085476-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GFM1 full-length ORF (NP_079272.4, 1 a.a. - 751 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRLLGAAVAALGRGRAPASLGWQRKQVNWKACRWSSSGVIPNEKIRNIGISAHIDSGKTTLTER
VLYYTGRIAKMHEVKGKDGVGAVMDSMELERQRGITQSAATYTMWKDVNINIIDTPGHVDFTIEVE
RALRVLDGAVLVLCVGGVQCQTMTVNRQMKRYNVPFLTFINKLDRMGSNPARALQQMRSLNH
NAAFMQIPMGLEGNFKGVDLIEERAIYFDGDFGQVRYGEIPAELRAAADHRQELIECVANSDEQL
GEMFLEEKIPSISDLKLAI RRATLKRSTPVLGSA LKNKGVP LLDAVLEYLPNPSEVQNYAILNKE
DDSKEKTKILMNSSRDNSHPFVGLAFKLEVGRFGQLTYVRSYQGELKKGD TYNTRTRKKVRLQRL
ARMHADMMEDVEEYAGDICALFGIDCASGDTFTDKANSGLSMESIHVPDPVISIAMKPSNKNDL
EKFSKGIGRFTREDPTFKVYFDTENKETVISGMGELHLEIYAQRLEREYGCPCITGKPKVAFRETITA
PVPFDFTHKKQSGGAGQYGVIGVLEPLDPEDYTKLEFSDETFGSNIPKQFVPAVEKGFLDACEK
GPLSGHKLSGLRFVLQDGAHHMVD SNEISFIRAGEGALKQALANATLCILEPIMAVEVVAPNEFQG
QVIAGINRRHGVITGQDGVEDYFTLYADVPLNDMFGYTELRSCTEGKGEYTMESRYQPCLPSTQ
EDVINKYLEATGQLPVKKGKAKN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

109.9

Interspecies Antigen Sequence

Mouse (91)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — GFM1

Entrez GeneID	85476
GeneBank Accession#	NM_024996.5
Protein Accession#	NP_079272.4
Gene Name	GFM1
Gene Alias	COXPD1, EFG, EFG1, EFGM, EGF1, FLJ12662, FLJ13632, FLJ20773, GFM, hEFG1
Gene Description	G elongation factor, mitochondrial 1
Omim ID	606639 609060
Gene Ontology	Hyperlink
Gene 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]

Other Designations

G translation elongation factor, mitochondrial|elongation factor G1|mitochondrial elongation factor G1
