

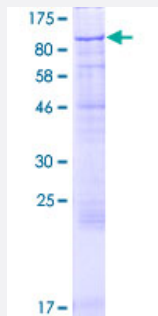
Full-Length

GFM2 (Human) Recombinant Protein (P01)

Catalog # H00084340-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GFM2 full-length ORF (NP_115756.2, 1 a.a. - 779 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MLTNLRIFAMSHQTIPSVYINNCCYKIRASLKRLKPHVPLGRNCSSLPGGLIGNDIKSLHSIINPPIAKIRN
IGIMAHIDAGKTTTTTERILYSGYTRSLGDVDDGDTVDFMAQERERGITIQSAAVTFDWKGYRVNLI
DTPGHVDFTLVERCLRVLDGAVAVFDASAGVEAQLTVWRQADKHNIPRICFLNKMDKTGASF
KYAVESIREKLKAKPLLLQLPIGEAKTFKGVVDVVMKEKLLWNCNSNDGKDFERKPLLEMNDPEL
LKETTEARNALIEQVADLDDEFADLVLEEFSENFDLLPAEKLQTAIHRVTLAQTAVPVLCGSALKN
KGIQPLLDVATMYLPSPEERNYEFQWYKDDLALAFKVLHDKQRGPLVFMRIYSGTIKQLAIHNI
NGNCTERISRLLLPFADQHVEIPSLTAGNIALTVGLKHTATGDTVSSKSSALAAARRAEREKGGH
RQNNEAERLLLAGVEIPEPVFFCTIEPPSLSKQPDLEHALKCLQREDPSLKVRLDPDSGQTVLCG
MGELHIEIHDRIKREYGLTYLGPLQVAYRETILNSVRATDTLDRTLGDKRHLVTVEVEARPIETSSV
MPVIEFEYAESINEGLLKVSQEAIEGHSACLQGPLLGSPIQDVAILHSLTIHPGTSTTMISACVSR
CVQKALKKADKQVLEPLMNLEVTVARDYLSPVLADLAQRRGNIQEIQTRQDNKVVIGFVPLAEIMG
YSTVLRLTSGSATFALELSTYQAMNPQDQNTLLNRRSGLT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

113

Interspecies Antigen Sequence

Mouse (84); Rat (84)

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 — GFM2

Entrez GeneID	84340
GeneBank Accession#	NM_032380.3
Protein Accession#	NP_115756.2
Gene Name	GFM2
Gene Alias	EFG2, MST027, hEFG2
Gene Description	G elongation factor, mitochondrial 2
Omim ID	606544
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 mitochondrial translation elongation factors. Its role in the regulation of normal mitochondrial function and in different diseases states attributed to mitochondrial dysfunction is not known. Alternative splicing results in at least three transcript variants encoding distinct isoforms. [provided by RefSeq]
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Other DesignationsMSTP027|elongation factor G2|mitochondrial elongation factor G2
