

Recombinant Mouse Gfm1 Protein, Myc/DDK-tagged

Cat. No. Gfm1-3192M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length G elongation factor, mitochondrial 1 (Gfm1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	83.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Gfm1 G elongation factor, mitochondrial 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Gfm1](#)

Synonyms GFM1; G elongation factor, mitochondrial 1; elongation factor G, mitochondrial; EF-Gmt; mEF-G 1; mitochondrial; elongation factor G1; G elongation factor 1; elongation factor G 1, mitochondrial; Gfm; AW545374; D3Wsu133e

Gene ID [28030](#)

mRNA Refseq [NM_138591](#)

Protein Refseq [NP_613057](#)

UniProt ID [Q8K0D5](#)

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