

Recombinant Mouse Gfer Protein, MYC/DDK-tagged

Cat. No. Gfer-587M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse growth factor, augmentor of liver regeneration (Gfer), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	FAD-dependent sulfhydryl oxidase that regenerates the redox-active disulfide bonds in CHCHD4/MIA40, a chaperone essential for disulfide bond formation and protein folding in the mitochondrial intermembrane space. The reduced form of CHCHD4/MIA40 forms a transient intermolecular disulfide bridge with GFER/ERV1, resulting in regeneration of the essential disulfide bonds in CHCHD4/MIA40, while GFER/ERV1 becomes re-oxidized by donating electrons to cytochrome c or molecular oxygen.
Molecular Mass	22.9 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.
Concentration	>50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name Gfer growth factor, augmenter of liver regeneration [*Mus musculus* (house mouse)]

Official Symbol Gfer

Synonyms Gfer; growth factor, augmenter of liver regeneration; Alr; ERV1; FAD-linked sulfhydryl oxidase ALR; augmenter of liver regeneration; growth factor, erv1-like (augmenter of liver regeneration); EC 1.8.3.2

Gene ID 11692

mRNA Refseq NM_023040

Protein Refseq NP_075527

UniProt ID P56213

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