

Product datasheet for **TP501982**

Gfer (NM_023040) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse growth factor, augments liver regeneration (Gfer), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201982 protein sequence Red=Cloning site Green=Tags(s)

MAAPSEPAGFPRGSRFSFLPGGARSEMDDLVTDARGRGARHRDDTTPSAAPAPQGLEHGKRPCRACVDF
KSWMRTQQKRDIKFREDCPQDREELGRHTWAFHLTLAAYYPDRPTPEQQQDMAQFIHIFSKFYPCCECAE
DIRKRIGRNQPDSTRVSFSQWLCRLHNEVNRKLGKPDFDCSRVDERWRDQWKGDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	22.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_075527
Locus ID:	11692
UniProt ID:	P56213
RefSeq Size:	1775
Cytogenetics:	17 12.48 cM



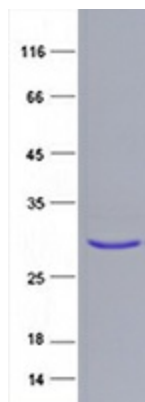
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RefSeq ORF: 597

Synonyms: Alr; ERV1

Summary: 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified Gfer protein (Cat# TP501982). The protein was produced from HEK293T cells transfected with Gfer cDNA clone (Cat# [MR201982]) using MegaTran 2.0 (Cat# [TT210002]).