Recombinant Human GFER, His-tagged

Cat. No. GFER-7080H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GFER protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-205aa
Description	FAD-linked sulfhydryl oxidase ALR, also known as GFER, belongs to the Erv1/ALR family of proteins. This family can be found in higher and lower eukaryotes. GFER is a hepatotrophic growth factor and flavin-linked sulfhydryl oxidase expressed in various tissues. Also, GFER induces the expression of S-adenosylmethionine decarboxyl-ase and ornithine decarboxylases (ODC), which each play an important role in the synthesis of polyamines.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl,50% glycerol,2mM DTT
Molecular Mass	26 kDa (229aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMAAPGE RGRFHGGNLF FLPGGARSEM MDDLATDARG RGAGRRDAAA SASTPAQAPT SDSPVAEDASRRRPCRACVD FKTWMRTQQK RDTKFREDCP PDREELGRHS WAVLHTLAAY YPDLPTPEQQ QDMAQFIHLF SKFYPCEECA EDLRKRLCRN HPDTRTRACF TQWLCHLHNE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	VNRKLGKPDF DCSKVDERWR DGWKDGSCD
Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml

GENE INFORMATION

Gene Name	GFER growth factor, augmenter of liver regeneration [Homo sapiens]
Official Symbol	GFER
Synonyms	GFER; growth factor, augmenter of liver regeneration; growth factor, erv1 (S. cerevisiae) like (augmenter of liver regeneration); FAD-linked sulfhydryl oxidase ALR; ALR; ERV1; ERV1 homolog (S. cerevisiae); HERV1; HPO1; HPO2; HSS; ERV1 homolog; hepatopoietin protein; erv1-like growth factor; hepatic regenerative stimulation substance; HPO;
Gene ID	2671
mRNA Refseq	NM_005262
Protein Refseq	NP_005253
MIM	600924

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UniProt ID	P55789
Chromosome Location	16p13.3-p13.12
Pathway	Metabolism of proteins, organism-specific biosystem; Mitochondrial Protein Import, organism-specific biosystem;
Function	growth factor activity; oxidoreductase activity; protein binding; thiol oxidase activity;

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