Recombinant Human GFER

Cat. No. GFER-27232TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ALR isoform 2 with N-terminal proprietary tag.Mol Wt 39.86 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	125 amino acids
Description	The hepatotrophic factor designated augmenter of liver regeneration (ALR) is thought to be one of the factors responsible for the extraordinary regenerative capacity of mammalian liver. It has also been called hepatic regenerative stimulation substance (HSS). The gene resides on chromosome 16 in the interval containing the locus for polycystic kidney disease (PKD1). The putative gene product is 42% similar to the scERV1 protein of yeast. The yeast scERV1 gene had been found to be essential for oxidative phosphorylation, the maintenance of mitochondrial genomes, and the cell division cycle. The human gene is both the structural and functional homolog of the yeast scERV1 gene.
Molecular Weight	39.860kDa inclusive of tags
Tissue specificity	Ubiquitously expressed. Highest expression in the testis and liver and low expression in the muscle.
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MRTQQKRDTKFREDCPPDREELGRHSWAVLHTLAAYYPDL PTPEQQQDMAQFIHL FSKFYPCEECAEDLRKRLCRNHPDT RTRACFTQWLCHLHNEVNRKLGKPDFDCSK VDERWRDGWK DGSCD
Sequence Similarities	Contains 1 ERV/ALR sulfhydryl oxidase domain.

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;
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
Function	growth factor activity; oxidoreductase activity; protein binding; thiol oxidase activity;

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