

Recombinant Human GFER 293 Cell Lysate

Cat. No. GFER-5954HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for growth factor, augments liver regeneration (GFER) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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
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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