

Product datasheet for PH320589

ALR (GFER) (NM_005262) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GFER MS Standard C13 and N15-labeled recombinant protein (NP_005253)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220589
Predicted MW:	23.3 kDa
Protein Sequence:	>RC220589 representing NM_005262 Red=Cloning site Green=Tags(s) MAAPGERGRFHGGNLFLLPGGARSEMDDLATDARGRGAGRRDAAASASTPAQAPTSDSPAEDASRRRP CRACVDFKTWMRTQQRDTKFRDPCPDREELGRHSWAVLHTLAAYPDLPTEQQQDMAQFIHLFSKPY PCEECAEDLRKRLCRNHPDTRTRACFTQWLCHLHNEVNRKLGKPDFDCSKYDERWRDGGWKGSD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005253
RefSeq Size:	2447
RefSeq ORF:	615
Synonyms:	ALR; ERV1; HERV1; HPO; HPO1; HPO2; HSS; MMCHD; MPMCD
Locus ID:	2671
UniProt ID:	P55789

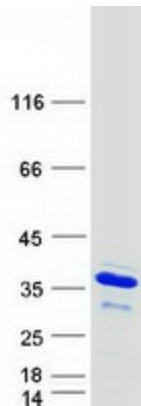


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Cytogenetics: 16p13.3

Summary: The hepatotrophic factor designated augments 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. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified GFER protein (Cat# [TP320589]). The protein was produced from HEK293T cells transfected with GFER cDNA clone (Cat# [RC220589]) using MegaTran 2.0 (Cat# [TT210002]).