

32-3875: GFER Recombinant Protein

Alternative Name : FAD-linked sulfhydryl oxidase ALR, Augmenter of liver regeneration, Hepatopoietin, GFER, ALR, HERV1, HPO, ALR, HSS, ERV1, HPO1, HPO2.

Description

Source : Escherichia Coli. GFER Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 229 amino acids (1-205 a.a) and having a molecular mass of 26kDa. GFER is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. FAD-linked sulfhydryl oxidase ALR (GFER) is a member of the Erv1/ALR family of proteins, which is found in higher and lower eukaryotes. GFER is a hepatotrophic growth factor and flavin-linked sulfhydryl oxidase expressed in a variety of tissues. Moreover, GFER induces the expression of S-adenosylmethionine decarboxylase and ornithine decarboxylases (ODC), which each have a central role in the synthesis of polyamines. The hepatotrophic factor designated augmenter of liver regeneration (ALR) is assumed to be one of the factors responsible for the exceptional regenerative capacity of mammalian liver. The GFER gene is located on chromosome 16 in the interval containing the locus for polycystic kidney disease (PKD1).

Product Info

Amount : 10 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : GFER protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol and 2mM DTT.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SGLVPRGSH MGSHEMAAPGE RGRFHGGNLF FLPGGARSEM MDDLATDARG
 RGAGRRDAAA SASTPAQAPT SDSPVAEDAS RRRPCACVD FKTWMRTQQK RDTKFREDCP
 PDREELGRHS WAVLHTLAAY YPDLTPPEQQ QDMAQFIHLF SKFYPCEECA EDLRKRLCRN HPDTRTRACF
 TQWLCHLHNE VNRKLGKPDF DCSKVDERWR DGWKDGSCD.

