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GFER Human

Growth Factor, Augmenter of Liver Regeneration Human Recombinant RCP0909

Product Overview

Name	GFER Human

Description

Growth Factor, Augmenter of Liver Regeneration Human Recombinant

Accession (Primary)	P55789

Synonyms

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

Introduction

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 decarboxyl-ase 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).

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

GFER protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol and 2mM DTT.

Stability

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGSH MAAPGE RGRFHGGNLF FLPGGARSEM MDDLATDARG RGAGRRDAAA

SASTPAQAPT SDSPVAEDAS RRRPCRACVD FKTWMRTQQK RDTKFREDCP PDREELGRHS WAVLHTLAAY YPDLPTPEQQ QDMAQFIHLF SKFYPCEECA EDLRKRLCRN HPDTRTRACF TQWLCHLHNE VNRKLGKPDF DCSKVDERWR DGWKDGSCD.

Precautions

GFER Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P55789)