GFER, 1-205aa, Human, His tag, E.coli

Cat.NO.: TP02229

3th Edition

Synonyms:FAD-linked sulfhydryl oxidase ALR, ALR, ERV1, HERV1, HPO, HPO1, HPO2, HSS

Description:FAD-linked sulfhydryl oxidase ALR, also known as GFER, belongs to the Erv1/ALR family of proteins. This family can be found in higher and lower eukaryotes. GFER is a hepatotrophic growth factor and flavin-linked sulfhydryl oxidase expressed in various tissues. Also, GFER induces the expression of S-adenosylmethionine decarboxyl-ase and ornithine decarboxylases (ODC), which each play an important role in the synthesis of polyamines. Recombinant human GFER protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol,2mM DTT

Molecular Weight:26 kDa (229aa), confirmed by MALDI-TOF

Sequences:
MGSSHHHHHHSSGLVPRGSHMGSHMAAPGERGRFHGGNLFFLPGGARSEMMDDLATDARGRGAGRRDAAASA
STPAQAPTSDSPVAEDASRRRPCRACVDFKTWMRTQQKRDTKFREDCPPDREELGRHSWAVLHTLAAYYPDLPT
PEQQQDMAQFIHLFSKFYPCEECAEDLRKRLCRNHPDTRTRACFTQWLCHLHNEVNRKLGKPDFDCSKVDERWR
DGWKDGSCD

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.