

Recombinant human GFER/ALR protein

Catalog Number: ATGP1862

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-205aa

UniProt No.

P55789

NCBI Accession No.

NP_005253

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

26 kDa (229aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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 decarboxylase 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.

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Amino acid Sequence

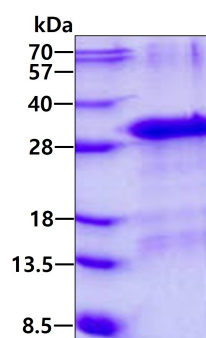
<MGSSHHHHH SSGLVPRGSH MGSH>MAAPGE RGRFHGGNLF FLPGGARSEM MDDLATDARG RGAGRRDAAA
SASTPAQAPT SDSPVAEDAS RRRPCRACVD FKTWMRTQK RDTKFREDCP PDREELGRHS WAVLHTLAAY YPDLPTEQQ
QDMAQFIHLF SKFYPCEECA EDLRKRLCRN HPDTRTRACF TQWLCHLHNE VNRKLGKPDF DCSKVDERWR DGWKDGSCD

General References

Thaler W E., et al. (2005) Histopathology. 47:57-66
Farrell S R., et al. (2005) Biochemistry. 44: 1532-1541.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.