Recombinant human eIF-5A2/EIF5A2 protein

Catalog Number: ATGP0596

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-153aa

UniProt No.
Q9GZV4

NCBI Accession No.
NP_065123

Alternative Names
MGC124093, MGC124092, Eukaryotic translation initiation factor 5A2, Eukaryotic initiation factor 5A isoform 2, eIF5AII, EIF5A2, eIF-4D

PRODUCT SPECIFICATION

Molecular Weight
18.9 kDa (173aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity
> 85% 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
EIF5A2, a member of eukaryotic initiation factor 5A subfamily, is an essential protein tightly linked to cellular polyamine homeostasis. The precise role of eIF-5A in protein biosynthesis is not known but it functions by promoting the formation of the first peptide bond during the initial stage of protein synthesis. It seems to be the only eukaryotic protein to have a hypusine residue, which is a post-translational modification of a lysine by the addition of a butylamino group. Recombinant human EIF5A2 protein, fused to His-tag at N-terminus, was

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expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

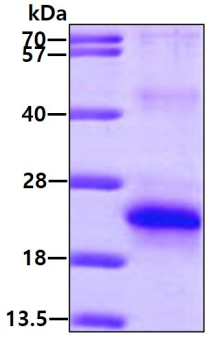
<MGSSHHHHHH SSGLVPRGSH> MADEIDFTTG DAGASSTYPM QCSALRKNGF VVLKGRPCKI VEMSTSKTGK HGHAKVHLVG IDIFTGKKYE DICPSTHNMD VPNIKRNDYQ LICIQDGYLS LLTETGEVRE DLKLPEGELG KEIEGKYNAG EDVQVSVMCA MSEEYAVAIK PCK

General References

Guan XY., et al. (2010) Hepatology. 51(4):1255-63.
Luk JM., et al. (2009) Int J Cancer. 127(4):968-76.

DATA

SDS-PAGE



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