Recombinant human EEF2 protein

Catalog Number: ATGP2764

PRODUCT INFORMATION

Expression system
E.coli

Domain
574-858aa

UniProt No.
P13639

NCBI Accession No.
NP_001952.1

Alternative Names
Elongation factor 2, EEF-2, EF-2, EF2, Eukaryotic translation elongation factor 2, Polypeptidyl-tRNA translocase

PRODUCT SPECIFICATION

Molecular Weight
34.3 kDa (308aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

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
EEF2 is a member of the GTP-binding translation elongation factor family. This protein is an essential factor for protein synthesis. It promotes the GTP-dependent translocation of the nascent protein chain from the A-site to the P-site of the ribosome. This protein is completely inactivated by EF-2 kinase phosporylation. Recombinant human EEF2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence
<MGSSHHHHHH SSGLVPRGSH MGS>DPVVSYR ETVSEESNVL CLSKSPNKHN RLYMKARPFP DGLAEDIDKG

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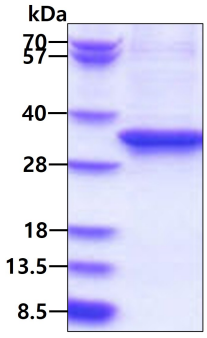
EVSARQELKQ RARYLAEKYE WDVAEARKIW CFGPDGTGPN ILTDITKGVQ YLNEIKDSVV AGFQWATKEG ALCEENMRGV RFDVHDVTLH ADAIHRGGGQ IIPTARRCLY ASVLTAQPRL MEPIYLVEIQ CPEQVVGGIY GVLNRKRGHV FEESQVAGTP MFVVKAYLPV NESFGFTADL RSNTGGQAFP QCVFDHWQIL PGDPFDNSSR PSQVVAETRK RKGLKEGIPA LDNFLDKL

General References

Yamashita A., et al (2009). Genes Dev. 23:1091-1105
Olsen J.V., et al (2006). Cell 127:635-648

DATA

SDS-PAGE



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