

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 phosphorylation. Recombinant human EEF2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGS>DPVVS YR ETVSEES NVL CLSKSPNKHN RLYMKAR PFP DGLAEDIDKG

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

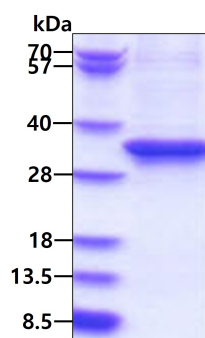
General References

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.