

EEF2, 574-858aa, Human, His tag, E.coli

Cat.NO.: TP01974

3th Edition

Synonyms:elongation factor 2, EEF-2, EF-2, EF2

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.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

Molecular Weight:34.3 kDa (308aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSDPVVSYRETVSEESNVLCLSKSPNKHNRLYMKARPPFDGLAEDIDKGEVSA
RQELKQRARYLAEKYEWDAEARKIWCFGPDGTGPNILTDITKGVQYLNEIKDSVVAGFQWATKEGALCEENMRG
VRFDVHDVTLHADAIHRGGGQIIPARRCLYASVLTAQPRLMEPIYLVEIQCPQVVGGIYGLNRKRKRGHVFEESQV
AGTPMFVVKAYLPVNESFGFTADLRSTGGQAFPQCVFDHWQILPGDPFDNSSRPSQVVAETRKRKGLKEGIPAL
DNFLDKL

Purity:> 95% by HPLC

Concentration:1mg/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.