
Product Data Sheet

Product Name: EEF2 Human
 Cat. No.: GP23359
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Elongation factor 2; EF-2; EEF2; EF2; Eukaryotic Translation Elongation Factor 2; EEF-2.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSDPVVSYR ETVSEESNVL CLSKSPNKHN RLYMKARPPF DGLAEDIDKG EVSARQELKQ RARYLAEKYE WDVAEARKIW CFGPDGTGPN ILTDITKGVQ YLNEIKDSVV AGFQWATKEG ALCEENMRGV RFDVHDVTLH ADAIHRGGGQ IIPARRCLY ASVLTAQPR LMEPIYLVEIQ CPEQVGGIY GVLNRKRGHV FEESQVAGTP MFVVKAYLPV NESFGFTADL RSNTGGQAFP QCVFDHWQIL PGDPFDNSSR PSQVVAETRK RKGLKEGIPA LDNFLDKL.		
Formulation	The EEF2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.		

Introduction

Eukaryotic Translation Elongation Factor 2 (EEF2) which is necessary factor for protein synthesis is a part of the GTP-binding translation elongation factor family. EEF2 catalyzes the GTP-dependent ribosomal translocation step during translation elongation. EEF2 is also catalyzes the coordinated movement of the mRNA as well as the 2 tRNA molecules and conformational changes in the ribosome. EF-2 kinase phosphorylation inactivates the EEF2 protein.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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EEF2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 308 amino acids (574-858) and having a molecular mass of 34.3kDa. EEF2 is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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