

EEF2 Human

Recombinant Human Eukaryotic Translation Elongation Factor 2

Catalog Number: C65959
Issuance Date: 8 June 2018

Overview

Synonyms	Elongation factor 2, EF-2, EEF2, EF2, Eukaryotic Translation Elongation Factor 2, EEF-2.
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.
Description	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 chroma
Source	E.coli
Purity	Greater than 90% as determined by SDS-PAGE.

Properties

Physical Appearance	Sterile Filtered colorless solution.
Species	Human
Formulation	The EEF2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.
Amino Acid Sequence	MGSSHHHHHH SSSLVPRGSH MGSDPVVSYR ETVSEESNVL CLSKSPNKHN RLYMKARPPF DGLAEDIDKG EVSARQELKQ RARYLAEKYE WDVAEARKIW CFGPDGTGPN ILTDITKGVQ YLNEIKDSVV AGFQWATKEG ALCEENMRGV RFDVHDVTLH ADAIHRGGGQ IIP TARRCLY ASVLTAQPRL MEPIYLVEIQ CPEQVVGGIY GVLNRKRGHV FEESQVAGTP MF

Storage

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.
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