

Recombinant Full Length Human EEF2 Protein, GST-tagged

Cat. No. EEF2-139HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human EEF2 full-length ORF (1 a.a. - 858 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	1 a.a. - 858 a.a.
Description	This gene encodes 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.
Molecular Mass	121.7 kDa
AA Sequence	MVNFTVDQIR AIMDKKANIR NMSVIAHVDH GKSTLTDSL V CKAGIIASAR AGETRFTDTR KDEQERCITI KSTAISLFYE LSENDLNFIK QSKDGAGFLI NLIDSPGHVD FSSEVTAALR VTDGALVVVD CVSGVCVQTE TVLRQAI AER IKPVLMMNKM DRALLELQLE PEELYQTFQR IVENVNVII S TYGEGESGPM GNIMIDPVLG TVGFGSGLHG WAFTLKQFAE MYVAKFAAKG EGQLGPAERA KKVEDMMKKL WGDYRFD PAN GKFSKSATSP EGKKLPRTFC QLILDPIFKV FDAIMNFKKE ETAKLIEKLD IKL DSEDKDK EGKPLLKAVM RRWLPAGDAL LQMITIHLPS PVTAQKYRCE LLYEGPPDDE AAMGIKSCDP KGPLMMYISK MVPTSDKGRF YAFGRVFSGL VSTGLKVRIM GPNYTPGKKE DLYLKPIQRT

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ILMMGRYVEP IEDVPCGNIV GLVGVDQFLV KTGTITTFEH AHNMRVMKFS
 VSPVVRVAVE AKNPADLPKL VEGLKRLAKS DPMVQCIEE SGEHIIAGAG
 ELHLEICLKD LEEDHACIPI KKSDPVVSYR ETVSEESNLV CLSKSPNKHN
 RLYMKARPPF DGLAEDIDKG EVSARQELKQ RARYLAEKYE WDVAEARKIW
 CFGPDGTGPN ILTDITKGVQ YLNEIKDSVV AGFQWATKEG ALCEENMRGV
 RFDVHDVTLH ADAIHRGGGQ IIPTARRCLY ASVLTAQPRL MEPIYLVEIQ
 CPEQVVGGIY GVLNRKRGHV FEESQVAGTP MFVVKAYLPV NESFGFTADL
 RSNTGGQAFP QCVFDHWQIL PGDPFDNSSR PSQVVAETRK RKGLKEGIPA
 LDNFLDKL

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

EEF2 eukaryotic translation elongation factor 2 [Homo sapiens(human)]

Official Symbol

EEF2

Synonyms

EEF2; EF2; EF-2; EEF-2; eukaryotic translation elongation factor 2; elongation factor 2; polypeptidyl-tRNA translocase

Gene ID

1938

mRNA Refseq

NM_001961

Protein Refseq

NP_001952

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MIM	130610
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UniProt ID	P13639
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