

Recombinant Human EEF2, GST-tagged

Cat. No. EEF2-382H **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	Wheat Germ
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	MVNFTVDQIRAIMDKKANIRNMSVIAHVHDHGKSTLTDSLVCAGIIASARAGETRFTD TRKDEQERCITIKSTAI SLFYELSENDLNFQKSKDGAGFLINLIDSPGHVDFSSEVTA ALRVTDGALVVDCVSGVCVQTETVLRQAI AER IKPVLMMNKMDRALLELQLEPEEL YQTFQRIVENVNVIISTYGEGESGPMGNIMIDPVLGTVGFGSGLHGWAFTL KQFAEM YVAKFAAKGEGQLGPAERAKKVEDMMKKLWGDYRFDPAANGKFSKSATSPEGKKLP RTFCQLILDPIFKV FDAIMNFKKEETAKLIEKLDIKLDSKDKKEGKPLLKAVMRRWLP AGDALLQMITIHLPSVTAQKYRCELLYEG PPDDEAAMGIKSCDPKGPLMMYISKMV PTSDKGRFYAFGRVFSGLVSTGLKVRIMGPNYTPGKKEDLYLKPIQRT ILMMGRYVE PIEDVPCGNIVGLVGVDQFLVKTGTITTFEHAHNMRVMKFSVSPVVRVAVEAKNPAD LPKLVEGLK RLAKSDPMVQCIIEESGEHIIAGAGELHLEICLKDLEEDHACIPIKSDPV

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VSYRETVSEESNVLCLSKSPNKHN RLYMKARPPFDGLAEDIDKGEVSARQELKQRA
 RYLAEKYEWDAEARKIWCFGPDGTGPNILTDITKGVQYLNEI KDSVVAGFQWATK
 EGALCEENMRGVRFVDVHDVTLHADAIHRGGGQIIPTARRCLYASVLTAPRLMEPIY
 LVEIQ CPEQVVGGIYGV LNRKRGHVFEESQVAGTPMFVVKAYLPVNESFGFTADLR
 SNTGGQAFPQC VFDHWQILPGDPF DNSSRPSQVVAETRKRKGLKEGIPALDNFLD
 KL

Applications

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

Storage

Store at -80°C. 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

MIM

130610

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UniProt ID	P13639
Chromosome Location	19p13.3
Pathway	AMPK signaling; BDNF signaling pathway; Eukaryotic Translation Elongation
Function	GTP binding; GTPase activity; translation elongation factor activity

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