

Recombinant Human EEF2, GST-tagged

Cat. No. EEF2-12294H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human EEF2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-350a.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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	EEF2 eukaryotic translation elongation factor 2 [Homo sapiens]
Official Symbol	EEF2

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Synonyms	EEF2; eukaryotic translation elongation factor 2; EF2; elongation factor 2; EEF 2; polypeptidyl tRNA translocase; polypeptidyl-tRNA translocase; EF-2; EEF-2;
Gene ID	1938
mRNA Refseq	NM_001961
Protein Refseq	NP_001952
MIM	130610
UniProt ID	P13639
Chromosome Location	19pter-q12
Pathway	AMPK signaling, organism-specific biosystem; Eukaryotic Translation Elongation, organism-specific biosystem; Gene Expression, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Peptide chain elongation, organism-specific biosystem; Translation, organism-specific biosystem; Translation Factors, organism-specific biosystem;
Function	GTP binding; GTPase activity; nucleotide binding; translation elongation factor activity;

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