

Recombinant Human Elongation factor 2(EEF2)

Catalog No: #AP70255

Package Size: #AP70255-1 20ug #AP70255-2 100ug #AP70255-3 1mg

Description

Product Name	Recombinant Human Elongation factor 2(EEF2)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-858aaSequence Info:Full Length
Accession No.	P13639
Calculated MW	99.2 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	VNFTVDQIRAIMDKKANIRNMSVIAHVDHGKSTLTDSLVCAGIIASARAGETRFTDTRKDEQERCITIKSTAISLF YELSENDLNFQKSKDGAGFLINLIDSPGHVDFSSEVTAALRVTDGALVVDCVSGVCVQTETVLRQAIAERIKP VLMMNKMDRALLELQLEPEELYQTFQRIVENVNVIIISTYGEGESGPMGNIMIDPVLGTVGFSGSLHGWAFATLK QFAEMYVAKFAAKGEGQLGAERAKKVEDMMKKLWGDYFDPANGKFSKSATSPGKGLPRTFCQLILDPIF KVFDAIMNFKKEETAKLIEKLDIKLSEDKKEGKPLLKAVMRRWLPAGDALLQMITIHLPSVTAQKYRCELLY EGPPDDEAAMGIKSCDPKGPLMMYISKMVPTSDKGRFYAFGRVFSGLVSTGLKVRIMGPNYTPGKKEDLYLK PIQRTILMMGRYVEPIEDVPCGNIVGLVGVDQFLVKTGTITTFEHAHNMRVMKFSVSPVVRVAEAKNPADLPK LVEGLKRLAKSDPMVQCIIIESGEHIIAGAGELHLEICLKDLEEDHACIPIKSDPVVSYRETVSEESNVLCLSKS PNKHNRLYMKARFPDGLAEDIDKGEVSARQELKQRARYLAEKYEWDAEARKIWCFCGPDGTGPNILTDITKG VQYLNEIKDSVAGFQWATKEGALCEENMRGVRFDVHDVTLHADAIHRGGGQIIPTARRCLYASVLTAAQPRLM EPIYLVEIQCEQVGGIYGVLNRKRGHVFEESSQVAGTPMFVVKAYLPVNESFGFTADLRSTGGQAFPCQVF DHWQILPGDPFDNSSRPSQVVAETRRKRLKEGIPALDNFLDKL
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Catalyzes the GTP-dependent ribosomal translocation step during translation elongation. During this step, the ribosome changes from the pre-translocational (PRE) to the post-translocational (POST) state as the newly formed A-site-bound peptidyl-tRNA and P-site-bound deacylated tRNA move to the P and E sites, respectively. Catalyzes the coordinated movement of the two tRNA molecules, the mRNA and conformational changes in the ribosome.

References

Construction of a plasmid containing the complete coding region of human elongation factor 2.Hanes J., Freudenstein J., Rapp G., Scheit K.H.Biol. Chem. Hoppe-Seyler 373:201-204(1992)Research Topic:Epigenetics and Nuclear Signaling

Note: This product is for in vitro research use only and is not intended for use in humans or animals.