abcam

Product datasheet

Recombinant Human eEF1A1/EF-Tu protein ab81792

Description

Product name	Recombinant Human eEF1A1/EF-Tu protein
Purity	90 % Ion Exchange Chromatography. ab81792 is purified by an affinity column in combination with FPLC chromatography. Purified recombinant protein is greater than 90% homogeneous and contains no detectable protease, DNase and RNase activity. 1 unit equals 1 nanogram of purified protein.
Expression system	Escherichia coli
Accession	P68104
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGKEKTHINIVVIGHVDSGKSTTTGHLIYKCGGIDKRTIEKFEKEAAEMG KGSFKYAWVLDKLKAERERGITIDISLWKFETSKYYVTIIDAPGHRDFIK NMITGTSQADCAVLIVAAGVGEFEAGISKNGQTREHALLAYTLGVKQLIV GVNKMDSTEPPYSQKRYEEIVKEVSTYIKKIGYNPDTVAFVPISGWNGDN MLEPSANMPWFKGWKVTRKDGNASGTTLLEALDCILPPTRPTDKPLRLPL QDVYKIGGIGTVPVGRVETGVLKPGMVVTFAPVNVTTEVKSVEMHHEALS EALPGDNVGFNVKNVSVKDVRRGNVAGDSKNDPPMEAAGFTAQVIILNHP GQISAGYAPVLDCHTAHIACKFAELKEKIDRRSGKKLEDGPKFLKSGDAA IVDMVPGKPMCVESFSDYPPLGRFAVRDMRQTVAVGVIKAVDKKAAGAGK VTKSAQKAQKAK
Predicted molecular weight	76 kDa including tags
Amino acids	1 to 462
Tags	proprietary tag N-Terminus
Additional sequence information	RRASVNSH = the linker region between the tag at the N terminus and the protein sequence.

Specifications

Our **Abpromise guarantee** covers the use of **ab81792** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 7.9 Constituents: 0.75% Potassium chloride, 0.0154% DTT, 0.316% Tris HCl, 0.00584% EDTA, 20% Glycerol (glycerin, glycerine)

General Info

Function	This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.
Tissue specificity	Brain, placenta, lung, liver, kidney, pancreas but barely detectable in heart and skeletal muscle.
Sequence similarities	Belongs to the GTP-binding elongation factor family. EF-Tu/EF-1A subfamily.
Post-translational modifications	lSGylated.
Cellular localization	Cytoplasm.

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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