



Recombinant Human Elongation factor 1-alpha 1 (EEF1A1)

Product Code	CSB-YP007409HU
Relevance	This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis. With PARP1 and TXK, forms a complex that acts as a T helper 1 (Th1) cell-specific transcription factor and binds the promoter of IFN-gamma to directly regulate its transcription, and is thus involved importantly in Th1 cytokine production.
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.
Uniprot No.	P68104
Alias	Elongation factor Tu ;EF-TuEukaryotic elongation factor 1 A-1 ;e;EF1A-1Leukocyte receptor cluster member 7
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than $\geq 90\%$ as determined by SDS-PAGE.
Sequence	MGKEKTHINIVVIGHVDSGKSTTTGHLYKCGGIDKRTIEKFEKEAAEMGKGSFK YAWVLDKKAERERGITIDISLWKFETSKYYYVTIIDAPGHRDFIKNMITGTSQAD CAVLIVAAGVGEFEAGISKNGQTRHALLAYTLGVKQLIVGVNKMDSTEPPYSQ KRYEEIVKEVSTYIKKIGYNPDTVAFVPISGWNGDNMLEPSANMPWFKGWKVT RKDGNASGTTLLEALDCILPPTRPDKPLRLPLQDVYKIGGIGTVPVGRVETGV LKPGMVVTFAPVNVTTTEVKSVMHHEALSEALPGDNVGFNVKNVSVKDVRRG NVAGDSKNDPPMEAAGFTAQVIILNHPGQISAGYAPVLDCHTAHIACKFAELKE KIDRRSGKKLEDGPKFLKSGDAAIVDMVPGKPMCVESFSDYPPLGRFAVRDM RQTVAVGVKAVDKKAAGAGKVTKSAQKAQKAK
Research Area	Epigenetics and Nuclear Signaling
Source	Yeast
Target Names	EEF1A1
Protein Names	Recommended name: Elongation factor 1-alpha 1 Short name= EF-1-alpha-1Alternative name(s): Elongation factor Tu Short name= EF-Tu Eukaryotic elongation factor 1 A-1 Short name= eEF1A-1 Leukocyte receptor cluster member 7
Expression Region	1-462aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.

**Protein Length**

Full Length

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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.