

Recombinant Human EEF1A1 Protein

Cat. No. EEF1A1-5117H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EEF1A1 protein (1-462 aa) without tag is expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	462
Description	This gene encodes an isoform of the alpha subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This isoform (alpha 1) is expressed in brain, placenta, lung, liver, kidney, and pancreas, and the other isoform (alpha 2) is expressed in brain, heart and skeletal muscle. This isoform is identified as an autoantigen in 66% of patients with Felty syndrome. This gene has been found to have multiple copies on many chromosomes, some of which, if not all, represent different pseudogenes.
Form	Liquid
Molecular Mass	50 kDa
AA Sequence	MGKEKTHINIVVIGHVDSGKSTTTGHLIYKCGGIDKRTIEKFEKEAAEMGKGSFKYAW VLDKLKAERERGITIDISLWKFETSKYYVTIIDAPGHRDFIKNMITGTSQADCAVLIVAA GVGEFEAGISKNGQTREHALLAYTLGVKQLIVGVNKM DST EPPYSQKRYEEIVKEVS TYIKKIGYNPDTVAFVPISGWNGDNMLEPSANMPWFKGWKVTRKDGNASGTTLLEA LDCILPPTRPTDKPLRLPLQDVYKIGGIGTVPVGRVETGVLKPGMVVTFAPVNVTTVEV

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KSVMHHEALSEALPGDNVGFNVKNVSVKDVRRGNVAGDSKNDPPMEAAGFTAQV
IILNHPGQISAGYAPVLDCHTAHIACKFAELKEKIDRRSGKKLEDGPKFLKSGDAAVD
MVPGKPMCVESFSDYPPLGRFAVRDMRQTVAVGVKAVDKKAAGAGKITKSAQKAQ
KAK

Purity > 90% by SDS-PAGE

Applications SDS-PAGE, Denatured

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/mL (determined by Bradford assay)

Storage Buffer 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

GENE INFORMATION

Gene Name [EEF1A1 eukaryotic translation elongation factor 1 alpha 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [EEF1A1](#)

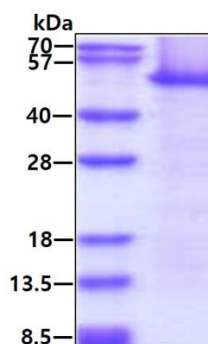
Synonyms EEF1A1; eukaryotic translation elongation factor 1 alpha 1; CCS3; EF1A; PTI1; CCS-3; EE1A1; EEF-1; EEF1A; EF-Tu; LENG7; eEF1A-1; GRAF-1EF; elongation factor 1-alpha 1; CTCL tumor antigen; EF-1-alpha-1; EF1a-like protein; cervical cancer suppressor 3; elongation factor 1 alpha subunit; elongation factor Tu; epididymis secretory sperm binding protein; eukaryotic elongation factor 1 A-1; eukaryotic translation elongation factor 1 alpha 1-like 14; glucocorticoid receptor AF-1 specific elongation factor; leukocyte receptor cluster (LRC) member 7; leukocyte receptor cluster member 7; prostate tumor-inducing protein 1; translation elongation factor 1 alpha 1-like 14

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Gene ID	1915
mRNA Refseq	NM_001402
Protein Refseq	NP_001393
MIM	130590
UniProt ID	P68104

SDS-PAGE


3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.