

Recombinant Full Length Human EEF1A1 Protein

Cat. No. EEF1A1-15HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EEF1A1 Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-462aa
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 Feltz syndrome. This gene has been found to have multiple copies on many chromosomes, some of which, if not all, represent different pseudogenes.
Form	Liquid
AASequence	MGKEKTHINIVVIGHVDSGKSTTTGHLIYKCGGIDKRTIEKFEKEAAEMGKGSFKYAW VLDKLKAERERGITIDISLWKFETSKYYVTIIDAPGHRDFIKNMITGTSQADCAVLIVAA GVGEFEAGISKNGQTREHALLAYTLGVKQLIVGVNKMMDSTPPYSQKRYEEIVKEVS TYIKKIGYNPDTVAFVPISGWNGDNMLEPSANMPWFKGWKVTRKDGNASGTTLLEA LDCILPPTRPTDKPLRLPLQDVYKIGGIGTVPVGRVETGVLKPGMVVTFAPVNVTTTEV KSVMHHEALSEALPGDNVGFNVKNVSVKDVRRGNVAGDSKNDPPMEAAGFTAQV IILNHPGQISAGYAPVLDCHTAHIACKFAELKEKIDRRSGKKLEDGPKFLKSGDAAIVD

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	MVPGKPMCVESFSDYPPLGRFAVRDMRQTVAVGVKAVDKKAAGAGKITKSAQKAQ KAK
Molecular Mass	50.1 kDa
Purity	> 90% by SDS-PAGE
Application	SDS-PAGE, Denatured
Note	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
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.
Storage Buffer	20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Concentration	1 mg/mL (determined by Bradford assay)
Reference	1. Meriin AB, Zaarur N, et al. (2012). J Cell Sci. 125(Pt 11):2665-74. 2. Itagaki K, Naito T, et al. (2012). J Biol Chem. 287(19):16037-46.

GENE INFORMATION

Gene ID	1915
Gene Name	EEF1A1 eukaryotic translation elongation factor 1 alpha 1 [Homo sapiens (human)]
Official Symbol	1915
Synonyms	EEF1A1; eukaryotic translation elongation factor 1 alpha 1; CCS3; EF1A; PTI1; CCS-

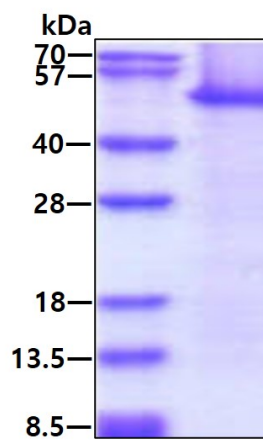
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3; EE1A1; EEF-1; EEF1A; EF-Tu; EF1A1; LENG7; eEF1A-1; GRAF-1EF; EF1alpha1; elongation factor 1-alpha 1; CTCL tumor antigen; EF-1-alpha-1; EF1a-like protein; cervical cancer suppressor 3; elongation factor 1 alpha subunit; elongation factor Tu; epididymis 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

mRNA Refseq	NM_001402
Official Symbol 2	EEF1A1
Gene ID 2	1915
Gene Name 2	EEF1A1 eukaryotic translation elongation factor 1 alpha 1 [Homo sapiens (human)]
mRNA Refseq 2	NM_001402
Protein Refseq 2	NP_001393
MIM 2	130590
UniProt ID 2	P68104

SDS-PAGE

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

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