

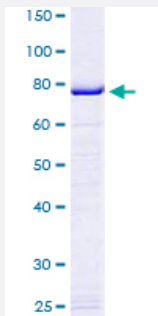
Full-Length

EEF1A1 (Human) Recombinant Protein (P02)

Catalog # H00001915-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human EEF1A1 full-length ORF (NP_001393.1, 1 a.a. - 462 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGKEKTHINIVIGHVDSGKSTTTGHLIKCGGIDKRTIEKFEKEAAEMGKGSFKYAWVLDKLKAER
 ERGITIDISLWKFETSKYYVTIIDAPGHRDFIKNMITGTSQADCAVLMAAGVGEFEAGISKNGQTREH
 ALLAYTLGVKQLVGVNKMDSTEPPYSQKRYEEMKEVSTYIKKIGYNPDVAFVPISGWNGDNMLE
 PSANMPWFKGWKVTRKDGNASGTTLEALDCILPPTRPDTPDKPLRLPLQDVYKIGGIGTVPVGRVE
 TGVLPKGMVVTAFVNVTTTEVKSVEMHHEALSEALPGDNVGFNVKNVSVKDVRRGNVAGDSKN
 DPPMEAAGFTAQVILNHPGQISAGYAPVLDCHTAHIACKFAELKEKIDRRSGKKLEDGPKFLKSG
 DAAIVDMVPGKPMCVESFSDYPPLGRFAVRDMRQTVAVGVIAVDKKAAGAGKVTKSAQKAQK
 AK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

76.5

Interspecies Antigen Sequence

Mouse (99); Rat (99)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — EEF1A1

Entrez GeneID	1915
GeneBank Accession#	NM_001402.5
Protein Accession#	NP_001393.1
Gene Name	EEF1A1
Gene Alias	CCS-3, CCS3, EEF-1, EEF1A, EF-Tu, EF1A, FLJ25721, GRAF-1EF, HNGC:16303, LENG7, MGC102687, MGC131894, MGC16224, PTI1, eEF1A-1
Gene Description	eukaryotic translation elongation factor 1 alpha 1
Omim ID	130590
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	CTCL tumor antigen EF1a-like protein OTTHUMP00000016736 OTTHUMP00000063804 OTTHUMP00000063805 cervical cancer suppressor 3 elongation factor 1 alpha subunit elongation factor 1-alpha elongation factor Tu eukaryotic translation elongation factor 1 alpha 1-

Publication Reference

- [The EEF1AKMT3/MAP2K7/TP53 axis suppresses tumor invasiveness and metastasis in gastric cancer.](#)

Yo Han Hong, Nur Aziz, Jae Gwang Park, Dagyeong Lee, Jin Kyeong Kim, Seung A Kim, Wooram Choi, Chae Young Lee, Hwa Pyoung Lee, Ha Thi Huyen Trang, Han Gyung Kim, Young-Jun Jeon, Bokyoung Kim, Younghoon Kim, Kyung-Hee Kim, Byong Chul Yoo, Jeung-Whan Han, Narayana Parameswaran, Ji Hye Kim, Hoon Hur, Jae Youl Cho.

Cancer Letters 2022 Jun; 544:215803.

Application: IP, KA, Recombinant proteins

- [eEF1A1 binds and enriches protoporphyrin IX in cancer cells in 5-aminolevulinic acid based photodynamic therapy.](#)

Fan Z, Cui X, Wei D, Liu W, Li B, He H, Ye H, Zhu N, Wei X.

Scientific Reports 2016 May; 6:25353.

Application: ELISA, Recombinant protein