

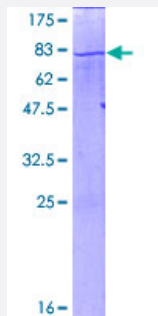
Full-Length

EEF1A2 (Human) Recombinant Protein (P01)

Catalog # H00001917-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human EEF1A2 full-length ORF (NP_001949.1, 1 a.a. - 463 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGKEKTHINIVIGHVDSGKSTTTGHLIKCGGIDKRTIEKFEKEAAEMGKGSFKYAWVLDKLKAER
 ERGITIDISLWKFETTKYYITIDAPGHRDFIKNMITGTSQADCAVLMAAGVGFEAGISKNGQTREHA
 LLAYTLGVKQLIVGVNKMDSTEPAYSEKRYDEMKEVSAYIKKIGYNPATVPFVPISGWHGDNMLEP
 SPNMPWFKGWKVERKEGNASGVSLLEALDTILPPTPTDKPLRLPLQDVYKIGGIGTVPVGRVET
 GILRPGMVVTFAPVNITTEVKSVEMHHEALSEALPGDNVGFNVKNVSVKDIRRGNVCGDSKSDPP
 QEAAQFTSQVILNHPGQISAGYSPVIDCHTAHIACKFAELKEKIDRRSGKKLEDNPKSLKSGDAAN
 EMVPGKPMCVESFSQYPPLGRFAVRDMRQTVAVGVIKNVEKKSGGAGKVTSAQKAQKAGK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

76.9

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 — EEF1A2

Entrez GeneID	1917
GeneBank Accession#	NM_001958.2
Protein Accession#	NP_001949.1
Gene Name	EEF1A2
Gene Alias	EEF1AL, EF-1-alpha-2, EF1A, FLJ41696, HS1, STN, STNL
Gene Description	eukaryotic translation elongation factor 1 alpha 2
Omim ID	602959
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 2) is expressed in brain, heart and skeletal muscle, and the other isoform (alpha 1) is expressed in brain, placenta, lung, liver, kidney, and pancreas. This gene may be critical in the development of ovarian cancer. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000031776 elongation factor 1-alpha 2 elongation factor-1 alpha statin S1 statin-like

Publication Reference

- [ADAPT identifies an ESCRT complex composition that discriminates VCaP from LNCaP prostate cancer cell exosomes.](#)

Hornung T, O'Neill HA, Logie SC, Fowler KM, Duncan JE, Rosenow M, Bondre AS, Tinder T, Maher V, Zarkovic J, Zhong Z, Richards MN, Wei X, Miglarese MR, Mayer G, Famulok M, Spetzler D.

Nucleic Acids Research 2020 May; 48(8):4013.

Application: ELISA, Recombinant protein