



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### EEF1A1 (Human) Recombinant Protein (P02)

**Catalog Number:** H00001915-P02

**Regulation Status:** For research use only (RUO)

**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:**

MGKEKTHINIVVIGHVDSGKSTTTGHLIYKCGGIDKRTI  
EKFEKEAAEMGKGSFKYAWVLDKLAERERGITIDISL  
WKFETSKYYVTIIDAPGHRDFIKNMITGTSQADCAVLIV  
AAGVGEFEAGISKNGQTRHALLAYTLGVKQLIVGVNK  
MDSTEPPYSQKRYEEIVKEVSTYIKKIGYNPDTVAFVPI  
SGWNGDNMLEPSANMPWFKGWKVKTRKDGNASGTTL  
LEALDCILPPTRPTDKPLRLPLQDVYKIGGIGTVPVGRV  
ETGVLPKGMVVTFAPVNVTTTEVKSVEMHHEALSEALP  
GDNVGFNVKNVSVKDVRRGNVAGDSKNDPPMEAAG  
FTAQVIILNHPGQISAGYAPVLDCHTAHIACKFAELKEKI  
DRRSGKKLEDGPKFLKSGDAAIVDMVPGKPMCVESFS  
DYPPLGRFAVRDMRQTVAVGVKAVDKKAAGAGKVTK  
SAQKAQKAK

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 76.5

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**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.

**Entrez GeneID:** 1915

**Gene Symbol:** 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 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 Felty 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]

**References:**

1. 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. Sci Rep. 2016 May 6;6:25353.