
Product Data Sheet

Product Name: EEF1A1 Human
 Cat. No.: GP23357
 Batch No.: 1

Product Data

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|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | Eukaryotic Translation Elongation Factor 1 Alpha 1; EF1A; EEF1A; LENG7; Leukocyte Receptor Cluster (LRC) Member 7; Elongation Factor Tu; Eukaryotic Elongation Factor 1 A-1; Leukocyte Receptor Cluster Member 7; EF-1-alpha-1; EF-Tu; eEF1A-1; CCS-3; CCS3; EE1A1; EEF-1; GRAF-1EF; HNGC:16303; PTI1; Cervical Cancer Suppressor 3; CTCL Tumor Antigen; EF1a-Like Protein; Elongation Factor 1 Alpha Subunit; Elongation Factor 1-Alpha 1; Eukaryotic Translation Elongation Factor 1 Alpha 1-Like 14; Glucocorticoid Receptor AF-1 Specific Elongation Factor; Prostate Tumor-Inducing Protein 1; Translation Elongation Factor 1 Alpha 1-Like 14. | | |
| Amino Acid Sequence | MGKEKTHINI VVIGHVDSGK STTTGHLIYK CGGIDKRTIE KFEKEAAEMGKGSFKYAWVL DKLKAERERG ITIDISLWKF ETSKYYVTII DAPGHRDFIK NMITGTSQAD CAVLIVAAGVGEFEAGISKN GQTREHALLA YTLGVKQLIV GVNKMDSTEP PYSQKRYEEI VKEVSTYIKK IGYNPDTVAF VPISGWNGDN MLEPSANMPW FKGWKVTRKD GNASGTTLLEALDCILPPTR PTDKPLRLPL QDVYKIGGIG TVPVGRVETG VLKPGMVVTF APVNVTTTEVK SVEMHHEALSEALPGDNVGF NVKNVSVKDV RRGNVAGDSK NDPPMEAAGF TAQVIILNHP GQISAGYAPV LDCHTAHIAC KFAELKEKID RRSKKLEDG PKFLKSGDAA IVDMVPGKPM CVESFSDYPPLGRFAVRDMR QTVAVGVIIKA VDKKAAGAGK ITKSAQKAQK AK | | |
| Formulation | EEF1A1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. | | |

Introduction

EEF1A1 is an isoform of the alpha subunit of the elongation factor-1 complex, which is responsible for the enzymatic release of aminoacyl tRNAs to the ribosome. EEF1A1 is

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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expressed in brain, placenta, lung, liver, kidney, and pancreas, and the other isoform (alpha 2) is expressed in brain, heart and skeletal muscle. EEF1A1 is recognized as an autoantigen in 66% of patients with Felty syndrome. EEF1A1 has multiple copies on numerous chromosomes, part of them, if not all, symbolize different pseudogenes. Among the diseases associated with EEF1A1 are tinea nigra and andcervical cancer.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

Background

EEF1A1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 462 amino acids (1-462 a.a) and having a molecular mass of 50kDa.

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