9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

EEF1A1 Human

Eukaryotic Translation Elongation Factor 1 Alpha 1 Human Recombinant RCP0705

Product Overview

Name	EEF1A1 Human
Description	
Eukaryotic Translation Elongation Factor 1 Alpha 1 Human Recombinant	
Accession (Primary)	P68104
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.	
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 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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
EEF1A1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.	
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.	
Purity	

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Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGKEKTHINI VVIGHVDSGK STTTGHLIYK CGGIDKRTIE KFEKEAAEMG KGSFKYAWVL DKLKAERERG ITIDISLWKF ETSKYYVTII DAPGHRDFIK NMITGTSQAD CAVLIVAAGV GEFEAGISKN GQTREHALLA YTLGVKQLIV GVNKMDSTEP PYSQKRYEEI VKEVSTYIKK IGYNPDTVAF VPISGWNGDN MLEPSANMPW FKGWKVTRKD GNASGTTLLE ALDCILPPTR PTDKPLRLPL QDVYKIGGIG TVPVGRVETG VLKPGMVVTF APVNVTTEVK SVEMHHEALS EALPGDNVGF NVKNVSVKDV RRGNVAGDSK NDPPMEAAGF TAQVIILNHP GQISAGYAPV LDCHTAHIAC KFAELKEKID RRSGKKLEDG PKFLKSGDAA IVDMVPGKPM CVESFSDYPP LGRFAVRDMR QTVAVGVIKA VDKKAAGAGK ITKSAQKAQK AK

Precautions

EEF1A1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P68104)