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EIF3I Human

Eukaryotic Translation Initiation Factor 3I Human Recombinant
RCP0735

Product Overview

Name	EIF3I Human

Description

Eukaryotic Translation Initiation Factor 3I Human Recombinant

Accession (Primary)	Q13347

Synonyms

Eukaryotic Translation Initiation Factor 3, Subunit I, EIF3S2, Eukaryotic Translation Initiation Factor 3, Subunit 2 Beta, 36kDa, Eukaryotic Translation Initiation Factor 3 Subunit 2, TRIP-1, eIF-3-beta, EIF3 P36, TGF-Beta Receptor-Interacting Protein 1, PRO2242, eIF3-beta, eIF3-p36, Eukaryotic Translation Initiation Factor 3 Subunit I, Eukaryotic Translation Initiation Factor 3, Subunit 2 (Beta, 36kD), Predicted Protein Of HQ2242, TGFbeta Receptor-Interacting Protein 1, eIF3i.

Introduction

Eukaryotic translation initiation factor 3, subunit I (EIF3I) is part of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is essential for numerous steps in the initiation of protein synthesis. The eIF-3 complex links with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2: GTP: methionyl-tRNAi and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also essential for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation. Among the diseases associated with EIF3I are clonorchiasis, and tonsillitis.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

APOBEC4 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% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MKPILLQ GHERSITQIK YNREGDLLFT VAKDPIVNVW YSVNGERLGT YMGHTGAVWC VDADWDTKHV LTGSADNSCR LWDCETGKQL ALLKTNSAVR TCGFDFGGNI IMFSTDKQMG YQCFVSFFDL RDPSQIDNNE PYMKIPCNDS KITSAVWGPL GECIIAGHES GELNQYSAKS GEVLVNVKEH SRQINDIQLS RDMTMFVTAS KDNTAKLFDS TTLEHQKTFR TERPVNSAAL SPNYDHVVLG GGQEAMDVTT TSTRIGKFEA RFFHLAFEEE FGRVKGHFGP INSVAFHPDG KSYSSGGEDG YVRIHYFDPQ YFEFEFEA

Precautions

EIF3I Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q13347)