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EIF3I Human, Sf9

Eukaryotic Translation Initiation Factor 3I Human Recombinant, Sf9
RCP0736

Product Overview

Name	EIF3I Human, Sf9

Description

Eukaryotic Translation Initiation Factor 3I Human Recombinant, Sf9

Accession (Primary)	Q13347

Synonyms

eIF3-beta, eIF3-p36, EIF3S2, PRO2242, TRIP-1, TRIP1, Eukaryotic translation initiation factor 3 subunit I, eIF3i, TGF-beta receptor-interacting protein 1, eIF-3-beta.

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

Sf9, Baculovirus cells.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

EIF3I protein solution (0.25mg/ml) 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 40% Glycerol and 1mM DTT.

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). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MKPILLQGHE RSITQIKYNR EGDLLFTVAK DPIVNVWYSV NGERLGTYMG HTGAVWCVDA DWDTKHVLTG

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SADNSCRLWD CETGKQLALL KTNSAVRTCG FDFGGNIIMF STDKQMGYQC FVSFFDLRDP SQIDNNEPYM KIPCNDSKIT SAVWGPLGEC IIAGHESGEL NQYSAKSGEV LVNVKEHSRQ INDIQLSRDM TMFVTASKDN TAKLFDSTTL EHQKTFRTER PVNSAALSPN YDHVVLGGGQ EAMDVTTTST RIGKFEARFF HLAFEEEFGR VKGHFGPINS VAFHPDGKSY SSGGEDGYVR IHYFDPQYFE FEFEA HHHHH H .

Precautions

EIF3I Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q13347)