
Product Data Sheet

Product Name: EIF3I Human
 Cat. No.: GP23382
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMKPILLQ GHERSITQIK YNREGDLLFT VAKDPIVNVW YSVNGERLGYMGHTGAVWC VDADWDTKHV LTGSADNSCR LWDCETGKQL ALLKTNSAVR TCGDFDGGNI IMFSTDKQMGYQCFVSFFDL RDPSQIDNNE PYMKIPCNDK KITSAVWGPL GECIIAGHES GELNQYSAKS GEVLNVKEH SRQINDIQLS RDMTMFVTASKDNTAKLFDS TTLEHQKTFR TERPVNSAAL SPNYDHVVLG GGQEAMDVTT TSTRIGKFEA RFFHLAFEEEFGRVKGHFGP INSVAFHPDG KSYSSGGEDG YVRIHYFDPQ YFEFEFEA		
Formulation	APOBEC4 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.		

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-tRNA_i and eIF-5 to form the 43S pre-initiation complex (43SPIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3

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

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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.

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

EIF3I Human Recombinant produced in E. Coli is a single, non-glycosylated polypeptide chain containing 348 amino acids (1-325aa) and having a molecular mass of 38.9kDa.

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