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

EIF3J Human

Eukaryotic Translation Initiation Factor 3J Human Recombinant
RCP0737

Product Overview

Name	EIF3J Human
Description	
Eukaryotic Translation Initiation Factor 3J Human Recombinant	
Accession (Primary)	O75822
Synonyms	
Eukaryotic translation initiation factor 3 subunit J, Eukaryotic translation initiation factor 3 subunit 1, eIF-3-alpha, eIF3 p35, EIF3J, EIF3S1, eIF3-alpha.	
Introduction	
Eukaryotic translation initiation factor 3 subunit J (EIF3J) is a member of the EIF-3 subunit J family. EIF3 has a crucial role in binding of initiator methionyl-tRNA and mRNA to the 40S ribosomal subunit to produce the 40S initiation complex. EIF3J binds to the aminoacyl (A) site and mRNA access channel of the 40S subunit, setting EIF3J directly in the ribosomal decoding center. In addition, EIF3J interacts with eIF1A and reduces 40S subunit affinity for mRNA. An elevated affinity for mRNA is restored upon enlistment of initiator tRNA, despite the fact EIF3J remains in the mRNA-binding cleft in the presence of tRNA.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The EIF3J solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 10% glycerol and 200mM NaCl.	
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	
MGSSHHHHHH SSGLVPRGSH M KISEKKKIA EKIKEKERQQ KKRQEEIKKR LEEPEEPKVL TPEEQLADKL RLKKLQEESD LELAKETFGV NNAVYGIDAM NPSSRDDFTE FGKLLKDKIT QYEKSLYYAS FLEVLVRDVC	

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ISLEIDDLKK ITNSLTVLCS EKQKQEKQSK AKKKKKGVVP GGGLKATMKD DLADYGGYDG GYVQDYEDFM.

Precautions

EIF3J Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O75822)