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

EIF1B Human

Eukaryotic Translation Initiation Factor 1B Human Recombinant
RCP0731

Product Overview

Name	EIF1B Human
Description	
Eukaryotic Translation Initiation Factor 1B Human Recombinant	
Accession (Primary)	O60739
Synonyms	
Eukaryotic translation initiation factor 1b, eIF1b, Protein translation factor SUI1 homolog GC20, EIF1B, GC20.	
Introduction	
EIF1B is critical for the scanning process in vitro. EIF1B is an element of a complex involved in recognition of the initiator codon during the scanning process. Translation is also initiated by the function of EIF1B in regulating the activity of ribosomal subunits 43S, 48S and 40S. EIF1B enables 43S ribosomal complexes to distinguish between cognate and near-cognate initiation codons, perceiving the nucleotide content of initiation codons.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The EIF1B solution (1 mg/ml) contains 20mM Tris-HCl buffer(pH 8.0), 10% glycerol, 2mM DTT and 0.1M 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 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MSTIQNLQSF DPFADATKGD DLLPAGTEDY IHIRIQQRNG RKTLTTVQGI ADDYDKKKLV KAFKKKFACN GTVIEHPEYG EVIQLQGDQR KNICQFLLEV GIVKEEQLKV HGF.	
Precautions	
EIF1B Human is for research use only and not for use in diagnostic or therapeutic procedures.	

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Target Information: (O60739)