

Recombinant Human EIF1, His-tagged

Cat. No. EIF1-1840H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EIF1 protein fused to His-tag at N-terminus was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 16.9 kDa (150aa).
Species	Human
Source	E.coli
Description	EIF1, also known as eukaryotic translation initiation factor 1, is a universally conserved translation factor that is necessary for scanning and involved in initiation site selection. This protein promotes the assembly of 48S ribosomal complexes at the authentic initiation codon of a conventional capped mRNA.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 0.1 M NaCl, and 10% glycerol.
Purity	> 90% by SDS – PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWAGSMSA IQNLHSFDPF ADASKGDDLL PAGTEDYIHI RIQQRNGRKT LTTVQGIADD YDKKKLVKAF KKKFACNGTV IEHPEYGEVI QLQGDQRKNI CQFLVEIGLA KDDQLKVHGF.
Storage	can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and

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store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

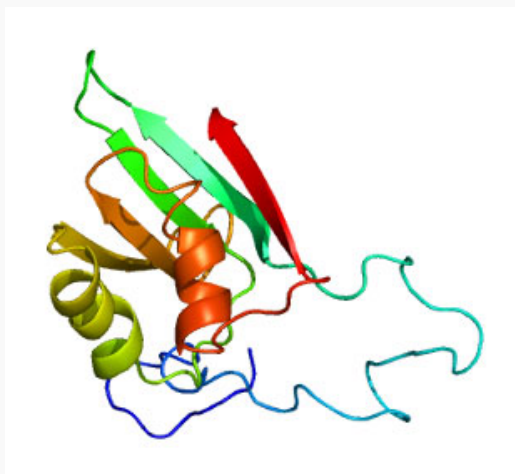
Gene Name	EIF1 eukaryotic translation initiation factor 1 [Homo sapiens]
Synonyms	eukaryotic translation initiation factor 1; A121; ISO1; SUI1; EIF-1; EIF1A; EIF1; sui1iso1; protein translation factor SUI1 homolog; eIF1; Sui1iso1; Protein translation factor SUI1 homolog
Gene ID	10209
mRNA Refseq	NM_005801
Protein Refseq	NP_005792
UniProt ID	P41567
Chromosome Location	17q21.2
Function	translation factor activity, nucleic acid binding; translation initiation factor activity

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PDB rendering based
on 2if1



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