Recombinant Human EIF3K, His-tagged

Cat. No. EIF3K-3482H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EIF3K protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
Description	EIF3K, also known as eukaryotic translation initiation factor 3 subunit K, belongs to the eIF3 subunit K family. It is the smallest subunit of eIF3 and it interacts with several other subunits of eIF3 and the 40S ribosomal subunit. This protein is conserved among high eukaryotes, including mammals, insects, and plants, and it is ubiquitously expressed in human tissues. It is distributed both in nucleus and cytoplasm and colocalizes with cyclin D3, a regulatory subunit of cyclin-dependent kinase 4 (Cdk4).
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
Molecular Weight	27.2 kDa (238aa) confirmed by MALDI-TOF
Purity	> 95% by SDS - PAGE
Concentration	1.0 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MAMFEQMRAN VGKLLKGIDR YNPENLATLE RYVETQAKEN AYDLEANLAV LKLYQFNPAF FQTTVTAQIL LKALTNLPHT DFTLCKCMID QAHQEERPIR QILYLGDLLE TCHFQAFWQA LDENMDLLEG

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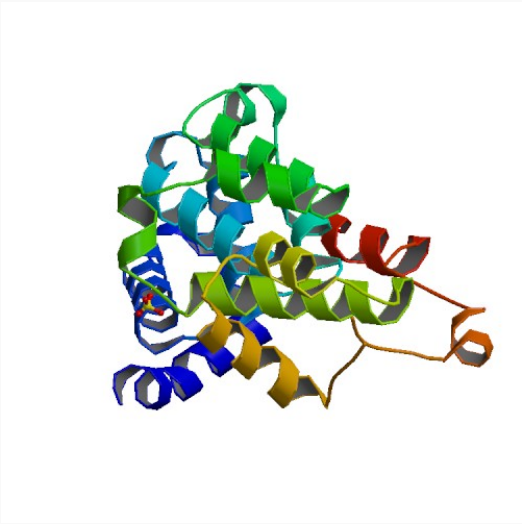
	ITGFEDSVRK FICHVVGITY QHIDRWLLAE MLGDLSDSQL KVWMSKYGWS ADESGQIFIC SQEESIKPKN IVEKIDFDSV SSIMASSQ
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	EIF3K eukaryotic translation initiation factor 3, subunit K [Homo sapiens]
Synonyms	eukaryotic translation initiation factor 3, subunit K; M9; ARG134; PLAC24; PTD001; EIF3S12; HSPC029; MSTP001; PLAC-24; PRO1474; EIF3-p28; EIF3K; eIF-3 p25; eIF-3 p28; muscle specific; muscle-specific gene M9 protein; eukaryotic translation initiation factor 3 subunit 12; eukaryotic translation initiation factor 3, subunit 12
Gene ID	27335
mRNA Refseq	NM_013234
Protein Refseq	NP_037366
MIM	609596
UniProt ID	Q9UBQ5
Chromosome Location	19q13.2
Pathway	Metabolism of proteins; Gene Expression
Function	protein binding; ribosome binding; contributes to translation initiation factor activity

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PDBrendering based on 1rz4.



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