Eukaryotic translation initiation factor 3 subunit K

Cat. No. CBCRY12 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Source	E.coli
Background	eIF3k, the smallest subunit of eukaryotic initiation factor 3 (eIF3), interacts with several other subunits of eIF3 and the 40 S ribosomal subunit. eIF3k is conserved among high eukaryotes, including mammals, insects, and plants, and it is ubiquitously expressed in human tissues. Interestingly, eIF3k does not exist in some species of yeast. Thus, eIF3k may play a unique regulatory role in higher organisms.
Protein Classification	Biosynthetic protein
Structure Weight	26532.46 Da
Polymer	1
Molecule	Eukaryotic translation initiation factor 3 subunit 11
Chain Length	250 amino acids
PDB ID	1RZ4
MMDB ID	29334
Method	X-Ray Diffraction

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Resolution	2.1?
Ligand Chemical Component	sulfate ion
Reference	Wei, Z., Zhang, P., Zhou, Z., Cheng, Z., Wan, M., Gong, W.(2004) Crystal structure of human eIF3k, the first structure of eIF3 subunitsJ.Biol.Chem.279: 34983-34990

GENE INFORMATION

Gene Name	EIF3K
Synonyms	ARG134; EIF3-p28; EIF3S12; HSPC029; M9, MSTP001; PLAC-24,;PLAC24; PRO1474; PTD001; Eukaryotic translation initiation factor 3 subunit 12; Muscle-specific gene M9 protein; eIF-3 p25; eIF-3 p28; eukaryotic translation initiation factor 3, subunit K; muscle specific; ptd001
UniProt ID	Q9UBQ5
Gene ID	27335
Chromosome Location	19q13.2
Function	translation initiator factor activity; protein binding; ribosome binding

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