

Eukaryotic Translation Initiation Factor 3 Subunit K

Human, EIF3K

Expressed in *E. Coli*

Cat. No. CBCRY12

Lot. No. (See product label)

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.

MOLECULAR DESCRIPTION

Protein classification: Biosynthetic protein

Structure Weight: 26532.46 Da

Polymer: 1

Molecule: Eukaryotic translation initiation factor 3 subunit 11

Chains: A

Type: polypeptide (L)

Chain Length: 250 amino acids

CRYSTAL INFORMATION

PDB ID: [1RZ4](#)

MMDB ID: [29334](#)

Source: E. Coli

Method: X-Ray Diffraction

Resolution: 2.1 Å

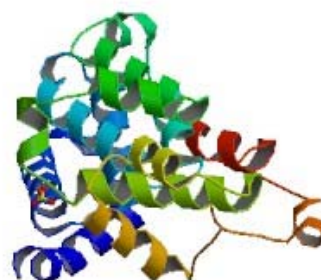
Ligand Chemical Component: sulfate ion

PRIMARY CITATION

Wei, Z., Zhang, P., Zhou, Z., Cheng, Z., Wan, M., Gong, W. (2004) Crystal structure of human eIF3k, the first structure of eIF3 subunits J.Biol.Chem. 279: 34983-34990

FOR RESEARCH USE ONLY

CRYSTAL STRUCTURE



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](#)

GeneID: [27335](#)

Chromosome Location: 19q13.2

Function: translation initiator factor activity; protein binding; ribosome binding

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