

AR09912PU-N**Human EIF3K / EIF3S12 (1-218, His-tag) - Purified****Alternate names:**

Eukaryotic translation initiation factor 3 subunit 12, Eukaryotic translation initiation factor 3 subunit K, Muscle-specific gene M9 protein, PLAC-24, eIF-3 p25, eIF-3 p28

Quantity:

50 µg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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).

Uniprot ID:

[Q9UBQ5](#)

NCBI:

[NP_037366](#)

GeneID:

[27335](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Description:

Recombinant human EIF3K protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHHH SGLVPRGSH MAMFEQMRAN VGKLLKGIDR YNPENLATLE RYVETQAKEN
AYDLEANLAV LKLYQFNPAF FQTTVTAQIL LKALTNLPHT DFTLCKCMID QAHQEERPIR
QILYLGDLLE TCHFQAFWQA LDENMDLLEG ITGFEDSVRK FICHVVGITY QHIDRWLLAE
MLGDLSDSQL KVWMSKYGWS ADESGQIFIC SQEESIKPKN IVEKIDFDSV SSIMASSQ

Molecular weight: 27.2 kDa (238aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

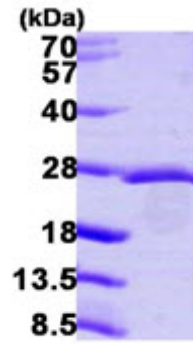
Shelf life: one year from despatch.

General Readings:

Mayeur G.L., et al. (2003). Eur. J. Biochem, 270: 4133-4139.

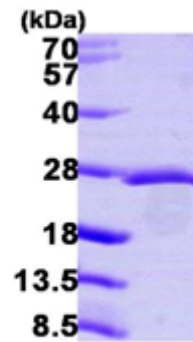
Wei Z., et al. (2004). J. Biol. Chem. 279: 34983-34990.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human EIF3K, 1-218aa, His-tagged



15% SDS-PAGE (3ug)