Recombinant human eIF-3K/EIF3K protein

Catalog Number: ATGP0972

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-218aa

UniProt No.
Q9UBQ5

NCBI Accession No.
NP_037366

Alternative Names
PTD001, PRO1474, PLAC-24, Muscle-specific gene M9 protein, MSTP001, M9, HSPC029, Eukaryotic translation initiation factor 3 subunit K, Eukaryotic translation initiation factor 3 subunit 12, EIF3S12, EIF3-p28, eIF-3 p25, ARG134

PRODUCT SPECIFICATION

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

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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regulatory subunit of cyclin-dependent kinase 4 (Cdk4). Recombinant human EIF3K protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

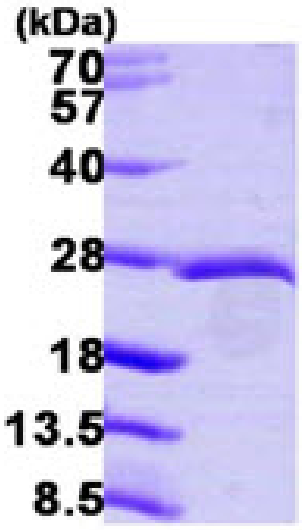
MGSSHHHHHH SSGLVPRGSH MAMFEQMRAN VGKLLKGIDR YNPENLATLE RYVETQAKEN AYDLEANLAV LKLYQFNPAF FQTTVTAQIL LKALTNLPHT DFTLCKCMID QAHQEERPIR QILYLGDLLE TCHFQAFWQA LDENMDLLEG ITGFEDSVRK FICHVVGITY QHIDRWLLAE MLGDLSDSQL KVWMSKYGWS ADESGQIFIC SQEESIKPKN IVEKIDFDSV SSIMASSQ

General References

Mayeur G.L., et al. (2003). Eur. J. Biochem, 270: 4133-4139.
Wei Z., et al. (2004). J. Biol. Chem. 279: 34983-34990.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.