

Recombinant Human eIF3K protein ab104639

1 Image

Description

Product name	Recombinant Human eIF3K protein
Purity	> 95 % SDS-PAGE. ab104639 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>Q9UBQ5</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSH MAMFEQMRANVGKLLKG IDRYNPENLATLE RYVETQAKENAYDLEANLAVLKLYQFNPAFFQTTVTAQILL KALTNLPH DFTLCKCMIDQAHQEERPIRQILYLGDLLETCHFQAFWQAL DENMDLLEG ITGFEDSVRKFIGHVVGITYQHIDRWLLAEMLGDLSDSQLK VWMSKYGWS ADESGQIFICSQEESIKPKNIVEKIDFDSVSSIMASSQ
Predicted molecular weight	27 kDa including tags
Amino acids	1 to 218
Tags	His tag N-Terminus

Specifications

Our <u>Abpromise guarantee</u> covers the use of ab104639 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

pH: 8.00

Constituents: 0.0154% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function

Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA_i and eIF-5 to form the 43S preinitiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.

Tissue specificity

Ubiquitous, with the highest levels of expression in brain, testis and kidney.

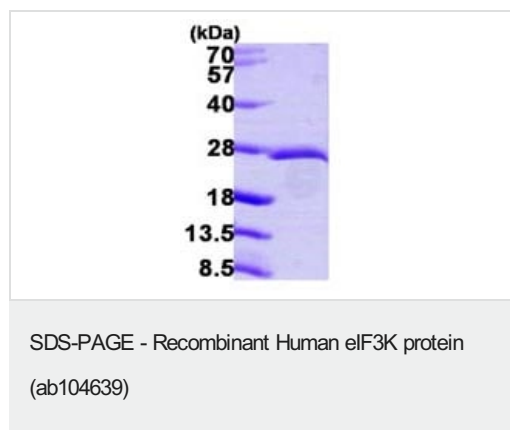
Sequence similarities

Belongs to the eIF-3 subunit K family.

Cellular localization

Nucleus. Cytoplasm.

Images



15% SDS-PAGE analysis of 3µg ab104639.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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