Datasheet for ABIN1046992

EIF3F Protein (AA 2-250, partial) (GST tag)

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Overview

Quantity:	50 µg
Target:	EIF3F
Protein Characteristics:	AA 2-250, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This EIF3F protein is labelled with GST tag.
Application:	ELISA

Product Details

Sequence:	ATPAVPVSAP PATPTPVPAA APASVPAPTP APAAAPVPAA APASSSDPAA AAAATAAPGQ TPASAQAPAQ TPAPALPGPA LPGPFPGGRV VRLHPVILAS IVDSYERRNE GAARVIGTLL GTVDKHSVEV TNCFSVPHNE SEDEVAVDME FAKNMYELHK KVSPNELILG WYATGHDITE HSVLIHEYYS REAPNPIHLT VDTSLQNGRM SIKAYVSTLM GVPGRTMGVM FTPLTVKYAY YDTERIGVD
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

Target Details

Target:	EIF3F

Target Details

Alternative Name:	Eukaryotic translation initiation factor 3 subunit F protein (EIF3F Products)
Background:	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-tRNAi 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 posttermination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.
Molecular Weight:	53.2 kD
UniProt:	O00303
Pathways:	Ribonucleoprotein Complex Subunit Organization

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

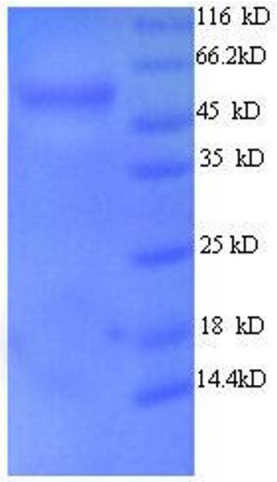
Handling

Storage:	-20 °C
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

Publications

Product cited in:	Shukla, Swaroop, Srivastava, Weissman: "The mRNA of a human class I gene HLA G/HLA 6.0 exhibits a restricted pattern of expression." in: **Nucleic acids research**, Vol. 18, Issue 8, pp. 2189 , (1990) (PubMed). Geraghty, Koller, Orr: "A human major histocompatibility complex class I gene that encodes a protein with a shortened cytoplasmic segment." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 84, Issue 24, pp. 9145-9, (1988) (PubMed).

Images



SDS-PAGE

Image 1. Eukaryotic Translation Initiation Factor 3 Subunit F (EIF3F) (AA 2-250), (partial) protein (GST tag)