

#### Datasheet for ABIN7479267

# EIF3I Protein (AA 1-323, partial) (GST tag)

# **Image**



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Overview	
Quantity:	100 μg
Target:	EIF3I
Protein Characteristics:	AA 1-323, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This EIF3I protein is labelled with GST tag.
Application:	ELISA
Product Details	
Sequence:	MKPILLQGHE RSITQIKYNR EGDLLFTVAK DPIVNVWYSV NGERLGTYMG HTGAVWCVDA
	DWDTKHVLTG SADNSCRLWD CETGKQLALL KTNSAVRTCG FDFGGNIIMF STDKQMGYQC
	FVSFFDLRDP SQIDNNEPYM KIPCNDSKIT SAVWGPLGEC IIAGHESGEL NQYSAKSGEV
	LVNVKEHSRQ INDIQLSRDM TMFVTASKDN TAKLFDSTTL EHQKTFRTER PVNSAALSPN

YDHVVLGGGQ EAMDVTTTST RIGKFEARFF HLAFEEEFGR VKGHFGPINS VAFHPDGKSY

SSGGEDGYVR IHYFDPQYFE FEF

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: 95%

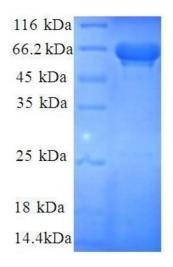
# **Target Details**

Target:	EIF3I
Alternative Name:	Eukaryotic translation initiation factor 3 subunit I protein (EIF3I Products)
Background:	Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required fo
	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:	63.7 kD
UniProt:	000303
Pathways:	Mitotic G1-G1/S Phases, DNA Replication, Ribonucleoprotein Complex Subunit Organization,
	Synthesis of DNA
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

Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week	
Storage:	-20 °C	
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C	

### **Images**



#### **SDS-PAGE**

Image 1. Eukaryotic Translation Initiation Factor 3, Subunit I (EIF3I) (AA 1-323), (partial) protein (GST tag)