

Datasheet for ABIN7584198

EIF2AK1 Protein (AA 1-620) (His tag)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	EIF2AK1
Protein Characteristics:	AA 1-620
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This EIF2AK1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MLGGGSVDGE RDTDDDAAGA VAAPPAIDFP AEVSDPKYDE SDVPAELQVF KEPLQQPTFP FLVANQLLLV SLLEHLSHVH EPNPLHSKQV FKLLCQTFIK MGLLSSFTCS DEFSSLRLHH NRAITHLMRS AKERVQRDPC QDNSYMQKIR SREIALEAQT SRYLNEFEEL AILGKGGYGR VYKVRNKLDG QHYAIKKILI KSATKTDCMK VLREVKVLAG LQHPNIVGYH TAWIEHVVHL QPQDRVPIQL PSLEVLSEHE GDRNQGGVKD NESSSSIIFA ELTPEKENPL AESDVKNENN NLVSYRANLV IRSSSESESS IELQEDGLNE SPLRPVVKHQ LPLGHSSDVE GNFTSTDESS EDNLNLLGQT EARYHMLMLHI QMQLCELSLW DWIAERNNRS RECVDEAACP YVMASVATKI FQELVEGVFY IHNMGIVHRD LKPRNIFLHG PDQQVKIGDF GLACADIIQK SADWTNRNGK GTPHTTSRVG TCLYASPEQL EGSEYDAKSD MYSLGVILLE LFQPFGTEME RATVLTGVRT GRIPESLSKR CPVQAKYIQL LTGRNAAQRP SALQLLQSEL FQTTGNVNLT LQMKIMEQEK EIEELKKQLS LLSQDKGLKR
Specificity:	Rattus norvegicus (Rat)

Product Details

Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
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Purity:	> 90 %
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Target Details

Target:	EIF2AK1
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Abstract:	EIF2AK1 Products
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Background:	Recommended name: Eukaryotic translation initiation factor 2-alpha kinase 1. EC= 2.7.11.1. Alternative name(s): Heme-controlled repressor. Short name= HCR Heme-regulated eukaryotic initiation factor eIF-2-alpha kinase Heme-regulated inhibitor Hemin-sensitive initiation factor 2-alpha kinase
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UniProt:	Q63185
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Pathways:	Hepatitis C
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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 modified 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.
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Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Concentration:	0.2-2 mg/mL
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Buffer:	Tris-based buffer, 50 % glycerol
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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.