

Datasheet for ABIN7589349

ATF4 Protein (AA 1-348) (His tag)



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Overview

Quantity:	100 µg
Target:	ATF4
Protein Characteristics:	AA 1-348
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATF4 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MAEMSFLSSE VLGGDFVSPF DQLGLGAEES LGLDDNLEV AKHFKHHGFS CDKAKAGSSE WLAVDWLVS DSKEDAFSGT DWMVEKMDLK EFDLILFSK DDLETMPDEL LATLDDTCDL FQPLVQETNK EPPQIVNPIG HLPEGLPTID QGAPFTFFQP LPPSPGTLSS TPDHSFSLEL CSEVVIPEGD SKPDSTTTGF PQCIKEEDAP SDNDSGICMS PDSSLGSPQD SPSTSRGSPN KSLLSPGALS GSSRPKPYDP PGEKMVAAKV KGEKLDKKLK KMEQNKTAAT RYRQKKRAEQ EALTGECKEL EKKNEALKEK ADSLAKEIQY LKDQIEEVRK AREKKRVL
Specificity:	Bos taurus (Bovine)
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.
Purity:	> 90 %

Target Details

Target:	ATF4
Alternative Name:	Cyclic AMP-dependent transcription factor ATF-4 (ATF4) (ATF4 Products)
Background:	Recommended name: Cyclic AMP-dependent transcription factor ATF-4. Short name= cAMP-dependent transcription factor ATF-4. Alternative name(s): Activating transcription factor 4
UniProt:	Q3ZCH6
Pathways:	Thyroid Hormone Synthesis , Myometrial Relaxation and Contraction , ER-Nucleus Signaling , Unfolded Protein Response

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