Datasheet for ABIN1622009

FTO Protein (AA 1-502) (His tag)

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Overview

Quantity:	1 mg
Target:	FTO
Protein Characteristics:	AA 1-502
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This FTO protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MKRVQTAEER EREAKKLRLL EELEDTWLPY LTPKDDEFYQ QWQLKYPKLV FREAGSIPEE LHKEVPEAFL TLHKHGCLFR DLVRIQGKDV LTPVSRILIG DPGCTYKYLN TRLFTVPWPV KGCTINYTEA EIAAACQTFL KLNDYLQVET IQALEELAIK EKANEDAVPL CMAEFPRAGV GPSCDDEVDL KSRAAYNVTL LNFMDPQKMP YLKEEPYFGM GKMAVSWHHD ENLVDRSAVA VYSYSCEGSE DESDDESSFE GRDPDTWHVG FKISWDIETP GLTIPLHQGD CYFMLDDLNA THQHCVLAGS QPRFSSTHRV AECSTGTLDY ILQRCQLALQ NVLNDSDNGD VSLKSFEPAV LKQGEEIHNE VEFEWLRQFW FQGNRYKICT DWWCEPMTQL EGLWKKMESV TNAVLREVKR EGLSVEQRSE ILSAVLIPLT MRQNLRKEWH ARCQARVVRT LPAQQKPDCR PYWEKDDPSM PLPFDLTDVV SEIRSQLLEA RS
Specificity:	Rattus norvegicus (Rat)
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.

Product Details

Purity:	> 90 %

Target Details

Target:	FTO
Alternative Name:	Alpha-ketoglutarate-dependent dioxygenase FTO (Fto) (FTO Products)
Background:	Recommended name: Alpha-ketoglutarate-dependent dioxygenase FTO. EC= 1.14.11.-. Alternative name(s): Fat mass and obesity-associated protein
UniProt:	Q2A121

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