Datasheet for ABIN7583303

ABAT Protein (AA 28-500) (His tag)

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Overview

Quantity:	100 µg
Target:	ABAT
Protein Characteristics:	AA 28-500
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABAT protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	ISQ AAAKVDFEFD YDGPLMKTEV PGPRSQELMK QLNTIQNAEA VHFFCNYEES RGNYLVDVDG NRMLDLYSQI SSVPIGYNHP ALAKLVQQPQ NASTFINRPA LGILPPENFV DKLRESLMSV APKGMCQLIT MACGSCSNEN AFKTIFMWYR SKERGQRGFS KEELETCMVN QSPGCPDYSI LSFMGAFHGR TMGCLATTHS KAIHKIDIPS FDWPIAPFPR LKYPLEEFVT DNQQEEARCL EEVEDLIVKY RKKKRTVAGI IVEPIQSEGG DNHASDDFFR KLRDIARKHG CAFLVDEVQT GGGCTGKFWA HEHWGLDDPA DVMSFSKKMM TGGFFHKEEF RPSAPYRIFN TWLGDPSKNL LLAEVINIIK REDLLNNVAH AGKTLLTGLL DLQAQYPQFV SRVRGRGTFC SFDTPDEAIR NKLILIARNK GVVLGGCGDK SIRFRPTLVF RDHHAHLFLN IFSGILADFK
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:	ABAT
Alternative Name:	4-aminobutyrate aminotransferase, mitochondrial (Abat) (ABAT Products)
Background:	Recommended name: 4-aminobutyrate aminotransferase, mitochondrial. EC= 2.6.1.19. Alternative name(s): (S)-3-amino-2-methylpropionate transaminase. EC= 2.6.1.22 GABA aminotransferase. Short name= GABA-AT Gamma-amino-N-butyrate transaminase. Short name= GABA transaminase. Short name= GABA-T L-AIBAT Cleaved into the following 2 chains: 1. 4-aminobutyrate aminotransferase, brain isoform 2. 4-aminobutyrate aminotransferase, liver isoform
UniProt:	P50554
Pathways:	Monocarboxylic Acid Catabolic Process

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

Handling

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.