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## Datasheet for ABIN1645719 ABAT Protein (AA 29-500) (His tag)

### Overview

Quantity:	1 mg
Target:	ABAT
Protein Characteristics:	AA 29-500
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABAT protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>SQ AAAKVDVEFD YDGRLMKTEV PGLRCQELMK QLNIIQNAEA VHFFCNYEES RGNYLVDVDG</p> <p>NRMLDLYSQI SSVPIGYSH P GLLKLIQPPQ NASMFVNRPA LGILLPENFV EKLRQSLLSV</p> <p>APKGMSQLIT MACGSCSNEN GLKTIFMWYR SKERGQRGFP QEELETCMIN QAPWCPDYSI</p> <p>LSFMGAFHGR TMGCLATTHS KAIHKIDIPS FDWPIAPFPR LKYPLEEFVK ENQEEARCL</p> <p>EEVEDLIVKY RKKKKTVAGI IVEPIQSEGG DNHASDDFFR KLRDIPRKQC CAFLVDVVQT</p> <p>GGGCTGKFWA HEHWARDDE D VMTSSSKMM TGGFFHKEEF RPNAPYRIFN TWLGDP SKNL</p> <p>LLAEVINIIK REDLLNNAAH AGKALLTGLL DLQARYPQFI SRVRGRGTFC SFDTPDD SIR</p> <p>NKLILIARNK GVVLGCGGDK SIRFRPTLVF RDHHAHLFLN IFSDILADFK</p>
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.

## Product Details

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Purity: > 90 %

## Target Details

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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

UniProt: [Q9BG10](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

## Application Details

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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.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

## Handling

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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.