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Datasheet for ABIN1474664
ABAT Protein (AA 28-500) (His tag)

Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| 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 VHFFCNYES RGNYLVDVDG NRMLDLYSQI SSVPIGYNHP ALAKLVQQPQ NASTFINRPA LGILPPENFV DKLRESLMSV APKGMCLIT MACGSCSNEN AFKTIFMWYR SKERGQRGFS KEELETMVN QSPGCPDYSI LSFMGAFHGR TMGCLATTHS KAIHKIDIPS FDWPIAPFPR LKYPLEEFVT DNQEEARCL EEVEDLIVKY RKKKRTVAGI IVEPIQSEGG DNHASDDFFR KLRDIARKHG CAFLVDEVQT GGGCTGKFWA HEHWGLDDPA DVMSFSKMM TGGFFHKEEF RPSAPYRIFN TWLGDP SKNL LLAEVINIIK REDLLNNVAH AGKTLLTGLL DLQAQYPQFV SRVRGRGTFC SFDPDEAIR NKLILIARNK GVVLGCGDK SIRFRPTLVF RDHHAHLFLN IFSGILADFK |
| Specificity: | Rattus norvegicus (Rat) |
| 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

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 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

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. |