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Datasheet for ABIN1474521

Choline Acetyltransferase Protein (AA 2-640) (His tag)

Overview

Quantity:	1 mg
Target:	Choline Acetyltransferase (CHAT)
Protein Characteristics:	AA 2-640
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Choline Acetyltransferase protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	PILEKAPQK MPVKASSWEE LDLPKLPVPP LQQTALATYLQ CMQHLVPPEEQ FRKSQAIVKR FGAPGGLGET LQEKLLERQE KTANWWSEYW LNDMYLNNRL ALPVNSSPAV IFARQHFQDT NDQLRFAACL ISGVL SYKTL LDSHSLPTDW AKGQLSGQPL CMKQYYRLFS SYRLPGHTQD TLVAQKSSIM PEPEHVIVAC CNQFFVLDVV INFRRRLSEGD LFTQLRKIVK MASNEDERLP PIGLLTSDGR SEWAKARTVL LKDSTNRDSL DMIERCICLV CLDGP GTGEL SDTHRALQLL HGGGCSLNGA NRWYDKSLQF VVGRDGTGCV VCEHSPFDGI VLVQCTEHL KHMMSNKKL VRADSVSELP APRRLRLKCS PETQGH LASS AEKLQRIVKN LDFIVYKFDN YGKTFIKKQK YSPDGF IQVA LQLAYYRLYQ RLVPTYESAS IRRFQEGRVD NIRSATPEAL AFVQAMTDHK AAMPASEKLQ LLQTAMQAHK QYTVMAITGM AIDNHLLALR ELARDLCKEP PEMFMDETYL MSNRFLVSTS QVPTT MEMFC CYGPVVPNGN GACYNPQPEA ITFCISSFHS CKETSSVEFA EAVGASLVDM RDLCSSRQPA DSKPPAPKEK ARGPSQAKQS
Specificity:	Rattus norvegicus (Rat)

Product Details

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.
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Purity:	> 90 %
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Target Details

Target:	Choline Acetyltransferase (CHAT)
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Abstract:	CHAT Products
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Background:	Recommended name: Choline O-acetyltransferase. Short name= CHOACTase. Short name= ChAT. Short name= Choline acetylase. EC= 2.3.1.6
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UniProt:	P32738
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Pathways:	Skeletal Muscle Fiber Development
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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.
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Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Concentration:	0.2-2 mg/mL
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Buffer:	Tris-based buffer, 50 % glycerol
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Handling

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.