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Datasheet for ABIN1458609

AGXT Protein (AA 24-414) (His tag)

Overview

Quantity:	1 mg
Target:	AGXT
Protein Characteristics:	AA 24-414
Origin:	Cat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This AGXT protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>ATCQLLV APPEALLRPL SIPNRLLLGP GPSNLAPRVL</p> <p>VAGGKQMIGH MHKEMFQIMD DIKQGIQYVF QTKNPLTLAI SGSGHCALEA ALFNILEPGD</p> <p>PFLVGVNGIW GQRAADIGER IGARVHPMIK DPGNHYTLQE LEEALAQHKP VLLFLTQGES</p> <p>SSGVLQPLDG YGELCHRYNC LLLVDSVASL CGTPIYMDQQ GIDVLYSGSQ KVLNSPPGTS</p> <p>LISFSDKAKN KIYTRKTKPV SFYLDMKWLA NIWGCDGKPR IYHHTTPVVS LYSLRESLAL</p> <p>IAEQGLENSW RQHREVTAYL HGRLQGLGLQ LFKVDPALRL PTVTTAVPA GYDWRDIVNY</p> <p>VMDHFDIEIT GGLGPSMGKV LRIGLLGCNA TRENVDRIQ ALQEALQRCS RNKL</p>
Specificity:	Felis catus (Cat) (Felis silvestris catus)
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.
Purity:	> 90 %

Target Details

Target:	AGXT
Alternative Name:	Serine--pyruvate aminotransferase, mitochondrial (AGXT) (AGXT Products)
Background:	Recommended name: Serine--pyruvate aminotransferase, mitochondrial. Short name= SPT. EC= 2.6.1.51. Alternative name(s): Alanine--glyoxylate aminotransferase. Short name= AGT. EC= 2.6.1.44
UniProt:	P41689
Pathways:	Monocarboxylic Acid Catabolic Process , Dicarboxylic Acid Transport

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
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

Handling

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