

Datasheet for ABIN7591094

ACO2 Protein (AA 28-780) (His tag)



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Overview

Quantity:	100 µg
Target:	ACO2
Protein Characteristics:	AA 28-780
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACO2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>QRA KVAMSHFEPS EYIRYDLLEK NINIVRKRLN RPLTLSEKIV YGHLDDPANQ EIERGKTYLR</p> <p>LRPDRVAMQD ATAQMAMLQF ISSGLPKVAV PSTIHCDHLI EAQLGGEKDL RRAKDINQEV</p> <p>YNFLATAGAK YGVGFWRPGS GIIHQIILEN YAYPGVLLIG TDSHTPNGGG LGGICIGVGG</p> <p>ADAVDVMAGI PWELKCPKVI GVKLTGTLTG WTSPKDVILK VAGILTVKGG TGAIVEYHGP</p> <p>GVDSISCTGM ATICNMGAEI GATTSVFPYN HRMKKYLSKT GRADIANLAE EFKDHLVPDP</p> <p>GCQYDQVIEI NLNELKPHIN GPFTPDLAHP VADVGTVAEK EGWPLDIRVG LIGSCTNSSY</p> <p>EDMGRSAAVA KQALAHGLKC KSQFTITPGS EQIRATIERD GYAQILRDVG GIVLANACGP</p> <p>CIGQWDRKDI KKGEKNTIVT SYNRNFTGRN DANPETHAFV TSPEIVTALA IAGTLKFNPE</p> <p>TDFLTGKDGK KFKLEAPDAD ELPRSDFDPG QDTYQHPPKD SSGQRVDVSP TSQRLQLLEP</p> <p>FDKWDGKDLE DLQILIKVKG KCTTDHISAA GPWLKFRGHL DNISNNLLIG AINIENKAN</p> <p>SVRNAVTQEF GPVPDTARYY KKHGIRWVVI GDENYEGESS REHAALPRH LGGRAITKS</p> <p>FARIHETNLK KQGLLPLTFA DPSDYNKIHP VDKLTIQGLK DFAPGKPLNC IIKHPNGTQE</p>
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Product Details

TILLNHTFNE TQIEWFRAGS ALNRMKELQQ

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.

Purity: > 90 %

Target Details

Target: ACO2

Alternative Name: Aconitate hydratase, mitochondrial (Aco2) ([ACO2 Products](#))

Background: Recommended name: Aconitate hydratase, mitochondrial.
Short name= Aconitase.
EC= 4.2.1.3.
Alternative name(s): Citrate hydro-lyase

UniProt: [Q9ER34](#)

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

Handling

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.