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Datasheet for ABIN1591633

Carbonic Anhydrase Protein (CA) (AA 1-175) (His tag)

Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | Carbonic Anhydrase (CA) |
| Protein Characteristics: | AA 1-175 |
| Origin: | Bacillus subtilis |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Carbonic Anhydrase protein is labelled with His tag. |
| Application: | ELISA |

Product Details

| | |
|------------------|---|
| Sequence: | MNVNQNKVL FLTDIENGLE PILQEATNTS AENMLTIQSY GASISHPYGE IMRSVIFAIY QEDVEEIFVV GTKDKKTSAG NGLTQLETMK DKIQTLDYLF QNCKPEFLGG TVDEWLNENS SDTIEKSVDM IRHHPLVPSY VKVRGLFVNH KGGKPSIAEV PDVKTGQAMP DHCLS |
| Specificity: | Bacillus subtilis (strain 168) |
| 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: | Carbonic Anhydrase (CA) |
| Alternative Name: | Putative carbonic anhydrase-like protein YbcF (ybcF) (CA Products) |

Target Details

Background: Recommended name: Putative carbonic anhydrase-like protein YbcF

UniProt: [O34823](#)

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

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