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# Datasheet for ABIN7479141 CA1 Protein (AA 2-261, full length) (His tag)



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Images

Overview	
Quantity:	100 µg
Target:	CA1
Protein Characteristics:	AA 2-261, full length
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This CA1 protein is labelled with His tag.
Application:	ELISA
Product Details	

Sequence:	ASADWGYDSK NGPDQWSKLY PIANGNNQSP IDIKTSEAKH DSSLKPVSVS YNPATAKEIV
	NVGHSFHVVF DDSSNQSVLK GGPLADSYRL TQFHFHWGNS NDHGSEHTVD GAKYSGELHL
	VHWNSAKYSS AAEAISKADG LAIIGVLMKV GPANPNLQKV LDALSSVKTK GKRAPFTNFD
	PSSLLPSSLD YWTYFGSLTH PPLHESVTWV ICKESISLSP EQLAQLRGLL SSAEGEPAVP
	VLSNHRPPQP LKGRTVRASF
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien
	cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

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### Target Details

Target:	CA1
Alternative Name:	Carbonic anhydrase 1 (Ca1) (CA1 Products)
Background:	Recommended name: Carbonic anhydrase 1.
	EC= 4.2.1.1.
	Alternative name(s): Carbonate dehydratase I Carbonic anhydrase I.
	Short name= CA-I
Molecular Weight:	30.2 kD
UniProt:	BOBNN3

## Application Details

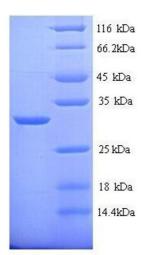
Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system
	for secretion and intracellular expression. A protein expressed by the mammalian cell system is
	of very high-quality and close to the natural protein. But the low expression level, the high cost
	of 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 modificated 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.



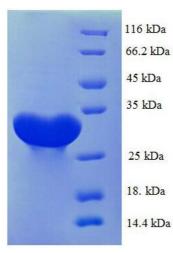
#### SDS-PAGE

**Image 1.** Carbonic Anhydrase I (CA1) (AA 2-261), (full length) protein (His tag)

# 116 kDa 66.2 kDa 45 kDa 35 kDa 25 kDa 18. kDa 14.4 kDa

#### SDS-PAGE

Image 2. Protein expressed in E.coli.



#### SDS-PAGE

Image 3. Protein expressed in E.coli.

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