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# Datasheet for ABIN7320481 CA4 Protein (AA 17-420) (His tag)

Image



#### Overview

Quantity:	50 µg
Target:	CA4
Protein Characteristics:	AA 17-420
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CA4 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse Carbonic Anhydrase 4/CA4 Protein (aa 17-420, His Tag)
Sequence:	Gly17-Tyr420
Characteristics:	Recombinant Mouse Carboxypeptidase A4 is produced by our Mammalian expression system and the target gene encoding Gly17-Tyr420 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per $\mu$ g as determined by the LAL method.

#### Target Details

Target:	CA4
Alternative Name:	Carbonic Anhydrase 4/CA4 (CA4 Products)
Background:	Background: Carboxypeptidase A4 (CPA4) is a member of the peptidase M14 family. CPA4 is

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	metalloprotease that could be involved in the histone hyperacetylation pathway. CPA4 binds
	one zinc ion per subunit and could catalyze to release of a C-terminal amino acid, with
	preference for -Phe, -Leu, -Ile, -Met, -Tyr and -Val.They have distinct expression patterns and
	different specificities for example, preferentially cleaving aromatic (carboxypeptidase As) or
	basic (carboxypeptidase Bs) residues. Several, such as carboxypeptidase Xs, have lost their
	catalytic activity. Carboxypeptidases play important roles in digestion of food, processing of
	bioactive peptides and blood coagulation.
	Synonym: CA4,CAIV,CA-IV,Car4,Carbonate dehydratase IV,carbonic anhydrase 4,carbonic
	anhydrase IVRP17,carbonic dehydratase IV,EC4.2.1.1,retinitis pigmentosa 17,RP17
Molecular Weight:	46.7 kDa
UniProt:	Q6P8K8
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl,10 % Glycerol, pH 8.0.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

#### Images



### Western Blotting

Image 1.

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