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## Datasheet for ABIN7318235 CA3 Protein (His tag)

### Overview

Quantity:	50 µg
Target:	CA3
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CA3 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Carbonic Anhydrase 3/CA3 Protein (His Tag)
Sequence:	Ala2-Lys260
Characteristics:	Recombinant Human Carbonic Anhydrase 3 is produced by our E.coli expression system and the target gene encoding Ala2-Lys260 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	CA3
Alternative Name:	Carbonic Anhydrase 3/CA3 ( <a href="#">CA3 Products</a> )
Background:	Background: Carbonic Anhydrase 3 (CA3) belongs to the Alpha-Carbonic Anhydrase family that encodes carbonic anhydrase isozymes. These carbonic anhydrases are a class of metalloenzymes that catalyze the reversible hydration of carbon dioxide and are differentially

## Target Details

expressed in a number of cell types. The expression of the CA3 gene is strictly tissue specific and it is present at high levels in skeletal muscle with much lower levels found in cardiac and smooth muscle. CA3 is activated by proton donors such as imidazole and the dipeptide histidylhistidine. CA3 is inhibited by coumarins and sulfonamide derivatives such as acetazolamide.

Synonym: Carbonic Anhydrase 3, Carbonate Dehydratase III, Carbonic Anhydrase III, CA-III, CA3, Car3

Molecular Weight:	30.6 kDa
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UniProt:	<a href="#">P07451</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 7.5.
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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