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Datasheet for ABIN7318233

CA13 Protein (His tag)

Overview

Quantity:	50 µg
Target:	CA13
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CA13 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Carbonic Anhydrase 13/CA13 Protein (His Tag)(Active)
Sequence:	Met 1-His262
Characteristics:	Recombinant Human Carbonic Anhydrase 13 is produced by our E.coli expression system and the target gene encoding Met1-His262 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.
Biological Activity Comment:	Measured by its esterase activity. The specific activity is 384.94 pmol/min/µg.

Target Details

Target:	CA13
Alternative Name:	Carbonic Anhydrase 13/CA13 (CA13 Products)

Target Details

Background:	<p>Background: Carbonic Anhydrase 13 (CA13) belongs to the carbonic anhydrase family which can catalyzes the reversible hydration reaction of carbon dioxide. Carbonic anhydrases participate in many biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. CA13 is a cytosolic enzyme and is widely expressed in human, such as thymus, small intestine, spleen, prostate, ovary, colon and testis, indicating that it may play a key role in several organs. CA13 is inhibited by acetazolamide.</p> <p>Synonym: Carbonic Anhydrase 13, Carbonate Dehydratase XIII, Carbonic Anhydrase XIII, CA-XIII, CA13</p>
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Molecular Weight:	30.5 kDa
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UniProt:	Q8N1Q1
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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 TrisHCl, 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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