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Datasheet for ABIN7318234

CA14 Protein (His tag)

Overview

Quantity:	50 µg
Target:	CA14
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CA14 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Carbonic Anhydrase 14/CA14 Protein (E.coli, His Tag)
Sequence:	Gly19-Met290
Characteristics:	Recombinant Human Carbonic Anhydrase 14 is produced by our E.coli expression system and the target gene encoding Gly19-Met290 is expressed with a 6His tag at the N-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CA14
Alternative Name:	Carbonic Anhydrase 14/CA14 (CA14 Products)
Background:	Background: Carbonic Anhydrase 14 (CA14) belongs to the Alpha-Carbonic Anhydrase family. It is highly expressed in all parts of the central nervous system and lowly expressed in adult liver, heart, small intestine, colon, kidney, urinary bladder, and skeletal muscle. CA14 along with other

Target Details

Carbonic Anhydrases (CAs) participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. CA14 is predicted to be a type I membrane protein and catalyzes the reversible hydration of carbon dioxide.

Synonym: Carbonic Anhydrase 14, Carbonate Dehydratase XIV, Carbonic Anhydrase XIV, CA-XIV, CA14, UNQ690/PRO1335

Molecular Weight:	32.8 kDa
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UniProt:	Q9ULX7
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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, 10 % Glycerol, pH 8.0.
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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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