Recombinant Human Carbonic Anhydrase 13/CA13 Protein (His Tag)

Catalog Number: PKSH032159

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

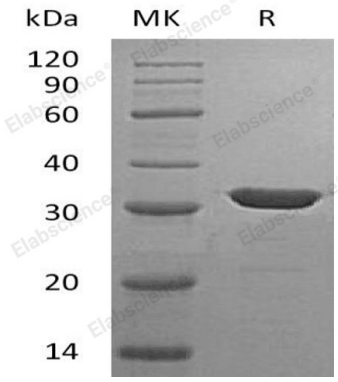
Description

Species	Human
Mol_Mass	30.5 kDa
Accession	Q8N1Q1
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Carbonic Anhydrase 13 (CA13) belongs to the carbonic anhydrase family which can catalyzes the reversible hydration recation 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.

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