Carbonic Anhydrase 10 Protein, Human (HEK293)

Cat. No.:	HY-P72864
Synonyms:	Carbonic anhydrase-related protein 10; CA-RP X; Cerebral protein 15; CA10
Species:	Human
Source:	HEK293
Accession:	Q9NS85 (M1-N300)
Gene ID:	56934
Molecular Weight:	Approximately 38 kDa

PROPERTIES

AA Sequence	M E I V W E V L F L L Q A N F I V C I S A Q Q N S P K I H E G W W A Y K E V V Q G S F V P V P S F W G L V N S A W N L C S V G K R Q S P V N I E T S H M I F D P F L T P L R I N T G G R K V S G T M Y N T G R H V S L R L D K E H L V N I S G G P M T Y S H R L E E I R L H F G S E D S Q G S E H L L N G Q A F S G E V Q L I H Y N H E L Y T N V T E A A K S P N G L V V V S I F I K V S D S S N P F L N R M L N R D T I T R I T Y K N D A Y L L Q G L N I E E L Y P E T S S F I T Y D G S M T I P P C Y E T A S W I I M N K P V Y I T R M Q M H S L R L L S Q N Q P S Q I F L S M S D N F R P V Q P L N N R C I R T N
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 100 mM Glycine, 10 mM NaCl, 50 mM Tris, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Carbonic Anhydrase 10 (CA10) protein, based on available information, does not exhibit catalytic activity. In contrast to typical carbonic anhydrases that participate in the reversible hydration of carbon dioxide, CA10 appears to lack this

enzymatic function. The absence of catalytic activity suggests that CA10 may have a distinct role, possibly serving as a structural protein or participating in non-enzymatic cellular processes. Further research is required to uncover the specific molecular functions and physiological implications associated with CA10, shedding light on its unique contributions within cellular pathways. Understanding the functional characteristics of CA10, especially in the context of its non-catalytic nature, is essential for unraveling its role in biological processes and potential relevance to health and disease. (

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA