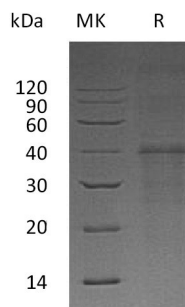


Product Name: Recombinant Human Carbonic Anhydrase 14 (N-6His)
Catalog #: PEH0222

Summary

Name	Carbonic anhydrase XIV/CA14
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	Q9ULX7
Host	E.coli
Species	Human
Predicted Molecular Mass	32.8 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Carbonic Anhydrase 14; Carbonate Dehydratase XIV; Carbonic Anhydrase XIV; CA-XIV; CA14; UNQ690/PRO1335
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



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adult liver, heart, small intestine, colon, kidney, urinary bladder, and skeletal muscle. CA14 along with other 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.

Note

For Research Use Only , Not for Diagnostic Use.