

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

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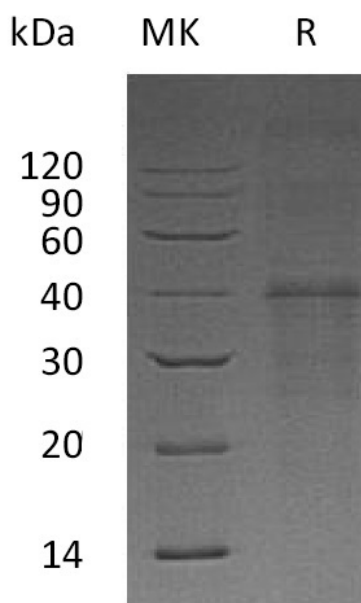
## Summary

<b>Name</b>	Carbonic anhydrase XIV/CA14
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	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.
<b>Accession #</b>	Q9ULX7
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	32.8 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.0.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	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.
<b>Reconstitution</b>	

## SDS-PAGE image

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### 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 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.