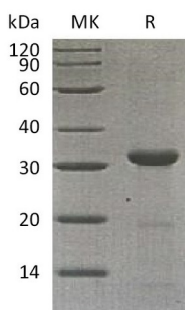


**Product Name: Recombinant Human Carbonic Anhydrase 10 (C-6His)**  
**Catalog #: PEH0218**

## Summary

<b>Name</b>	Carbonic Anhydrase X/CA10
<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-Related Protein 10/CA10 is produced by our E.coli expression system and the target gene encoding Ala21-Asn300 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	Q9NS85
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	33 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 25mM Tris-HCl, 150mM NaCl, pH 7.5.
<b>Shipping</b>	The product is shipped at ambient temperature. 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>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image



## Background

**Product Name: Recombinant Human Carbonic Anhydrase 10 (C-6H15)**  
**Catalog #: PEH0218**

---

**Alternative Names**

Carbonic Anhydrase-Related Protein 10; Carbonic Anhydrase-Related Protein X; CA-RP X; CARP X; Cerebral Protein 15; CA10; hucep-15; UNQ533/PRO1076

**Background**

Carbonic Anhydrase-Related Protein 10 (CA10) protein belongs to the carbonic anhydrase family of zinc metalloenzymes. It is an acatalytic member of the alpha-carbonic anhydrase subgroup. CA10 expression is detected in the adult total brain and in almost all parts of the central nervous system, but it is not expressed in the fetal brain. CA10 catalyze the reversible hydration of carbon dioxide in various biological processes, which is fundamental to many processes such as respiration, renal tubular acidification and bone resorption. CA10 is thought to play a role in the central nervous system, especially in brain development.

**Note**

For Research Use Only , Not for Diagnostic Use.