

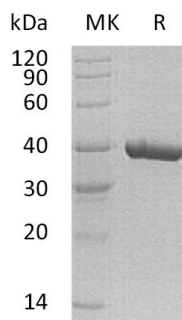
**Product Name: Recombinant Human Carbonic Anhydrase 11 (C-6His)**  
**Catalog #: PHH0223**

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## Summary

<b>Name</b>	Carbonic anhydrase-related protein 11/CA11/CA-XI
<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 11 is produced by our Mammalian expression system and the target gene encoding His24-Arg328 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	O75493
<b>Host</b>	Human Cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	35.1 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
<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



## Background

<b>Alternative Names</b>	Carbonic Anhydrase-Related Protein 11; CA-RP XI; CA-XI; CARP XI; Carbonic Anhydrase-Related Protein 2; CA-RP II; CARP-2; CA11; CARP2
<b>Background</b>	Carbonic Anhydrase-Related Protein 11 (CA11) is a secreted protein member of the α-carbonic anhydrase family. Carbonic Anhydrases (CAs) are a large family of zinc

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metalloenzymes that catalyze the reversible hydration of carbon dioxide. They 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. CA11 is expressed abundantly in the brain with moderate expression also present in spinal cord and thyroid. CA11 may play a general role in the central nervous system.

### **Note**

For Research Use Only , Not for Diagnostic Use.