

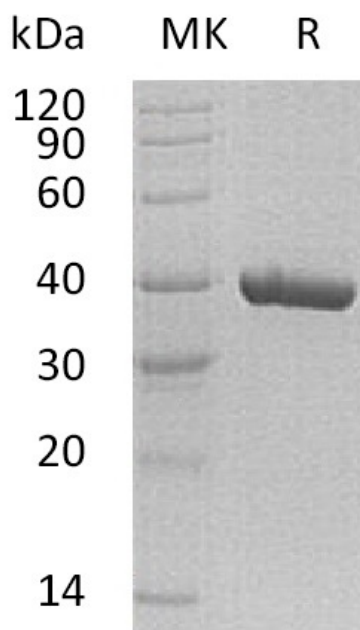
Product Name: Recombinant Human Carbonic Anhydrase 11 (C-6His)
Catalog #: PHH0223

Summary

Name	Carbonic anhydrase-related protein 11/CA11/CA-XI
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 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.
Accession #	O75493
Host	Human Cells
Species	Human
Predicted Molecular Mass	35.1 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
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

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Alternative Names

Carbonic Anhydrase-Related Protein 11; CA-RP XI; CA-XI; CARP XI; Carbonic Anhydrase-Related Protein 2; CA-RP II; CARP-2; CA11; CARP2

Background

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 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.