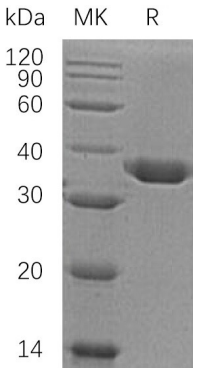
Product Name: Recombinant Human Carbonic Anhydrase 10 (C-6His)
Catalog #: PHH0217

Summary

Name	Carbonic Anhydrase X/CA10
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 10 is produced by our Mammalian expression system and the target gene encoding Gln22-Asn300 is expressed with a 6His tag at the C-terminus.
Accession #	Q9NS85
Host	Human Cells
Species	Human
Predicted Molecular Mass	32.82 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
Shipping	The product is shipped at ambient temperature. 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	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.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



Product Name: Recombinant Human Carbonic Anhydrase 10 (C-6His)
Catalog #: PHH0217

Background

Alternative Names	Carbonic Anhydrase-Related Protein 10; Carbonic Anhydrase-Related Protein X; CA-RP X; CARP X; Cerebral Protein 15; CA10
Background	Carbonic Anhydrase X (CA10) belongs to CA family of zinc metalloenzymes, which catalyze the reversible hydration of carbon dioxide in various biological processes such as respiration, renal tubular acidification and bone resorption. While CA10 is a secreted protein without Carbonic Anhydrase activity (i.e., the reversible hydration of CO2) due to point mutations in the zinc binding site, it has esterase activity. The human and mouse CA10 are expressed in the brain, indicating that they may play a role in brain development.

Note

For Research Use Only , Not for Diagnostic Use.