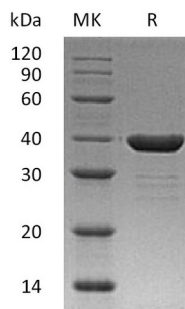


Product Name: Recombinant Human Carbonic Anhydrase 8 (C-6His)
Catalog #: PEH0216

Summary

Name	Carbonic Anhydrase VIII/CA8
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 8 is produced by our E.coli expression system and the target gene encoding Ala2-Gln290 is expressed with a 6His tag at the C-terminus.
Accession #	P35219
Host	E.coli
Species	Human
Predicted Molecular Mass	34.04 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 500mM NaCl, 1mM DTT, pH 8.5.
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



Background

Alternative Names	Carbonic Anhydrase-Related Protein; CARP; Carbonic Anhydrase VIII; CA-VIII; CA8; CALS
Background	Carbonic Anhydrase 8 (CA8) belongs to the alpha-carbonic anhydrase family. Alpha-carbonic anhydrase is a large family of zinc metalloenzymes that catalyze



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the reversible hydration of carbon dioxide. Because CA8 has some sequence similarity with other known carbonic anhydrase genes, it was firstly called as CA-related protein. Nevertheless, CA8 does not have a carbonic anhydrase catalytic activity. Defects in CA8 are the cause of cerebellar ataxia mental retardation and dysequilibrium syndrome type 3 (CMARQ3), which is a congenital cerebellar ataxia associated with dysarthria, quadripedal gait and mild mental retardation.

Note

For Research Use Only , Not for Diagnostic Use.