

Carbonic anhydrase-8, human recombinant
CA-VIII, CALS, CAMRQ3, CARP, CA8
Catalog # PBV11527r**Specification**

Carbonic anhydrase-8, human recombinant - Product info

Primary Accession [P35219](#)
Calculated MW **35.5 kDa KDa**

Carbonic anhydrase-8, human recombinant - Additional Info

Gene ID **767**

Other Names

CA-VIII, CALS, CAMRQ3, CARP, CA8

Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE;> 90%
Recombinant	Yes
Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMADLSF IEDTVAFPEK EEDEEEEEEG VEWGYEEGVE WGLVFPDANG EYQSPINLNS REARYDPSLL DVR LSPNYVV CRDCEVTNDG HTIQVILKSK SVLSGGPLPQ GHEFELYEVR FHWGRENQRG SEHTVNFKAF PMELHLIHWN STLFGSIDEA VGKPHGIAII ALFVQIGKEH VGLKAVTEIL QDIQYKGKSK TIPCFNPNTL LPDPLLRDYW VYEGSLTIPP CSEGVTWILF RYPLTISQLQ IEEFRRLRTH VKGAELVEGC DGILGDNFRP TQPLSDRVIR AAFQ

Target/Specificity

CA8

Format

Liquid

Storage

-20°C;In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 20% glycerol

Carbonic anhydrase-8, human recombinant - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Carbonic anhydrase-8, human recombinant - Images

Carbonic anhydrase-8, human recombinant - Background

CA8 was initially named CA-related protein because of sequence similarity to other known carbonic anhydrase genes. However, this protein lacks carbonic anhydrase activity (i.e., the reversible hydration of carbon dioxide). It continues to carry a carbonic anhydrase designation based on clear sequence identity to other members of the carbonic anhydrase gene family. Defects in CA8 are the cause of cerebellar ataxia mental retardation and dysequilibrium syndrome type 3 (CMARQ3). Recombinant human CA8 protein fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.