

Carbonic Anhydrase III Recombinant Protein | CA3 recombinant protein

Recombinant Human Carbonic Anhydrase III, His Tag

CATALOG #
AAA38245

HOST
E Coli

PRODUCT SYNONYMS

Carbonic Anhydrase III; Recombinant Human Carbonic Anhydrase III; His Tag; CAIII Human; His; Carbonic Anhydrase III Human Recombinant; Car3; CAIII; Carbonic anhydrase 3; EC 4.2.1.1; Carbonic anhydrase III; Carbonate dehydratase III; CA-III; CA3 His; CA3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Supplied in 10mM Tris-HCl (pH 8), 250mM NaCl, 0.5mM DTT, 1.5mM Cysteine, and 50% Glycerol. Sterile Filtered blue solution.
Sequence Length	260
Preparation and Storage	CAIII although stable at 4 degree C for 1 week, should be stored desiccated below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for CA3 recombinant protein	Description: Carbonic anhydrase III Human Recombinant produced in E Coli, and having a molecular mass of 33.9 kDa. CAIII is expressed with an amino-terminal hexahistidine tag.The CA-III is purified by proprietary chromatographic techniques. Introduction: Carbonic anhydrase (carbonate dehydratase) is a family of metalloenzymes (enzymes that contain one or more metal atoms as a functional component of the enzyme) that catalyze the rapid (and reversible) conversion of carbon dioxide to bicarbonate and protons, a reaction that occurs rather slowly in the absence of a catalyst. Carbonic anhydrase greatly increases the rate of the reaction, with typical catalytic rates of the different forms of this enzyme ranging between 104 and 106 reactions per second. The active site of most carbonic anhydrases contains a zincion. CAIII is a cytoplasmic isoenzyme, but is released into the circulation following injury.
Product Categories/Family for CA3 recombinant protein	Enzymes; Carbonic Anhydrase

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885099
NCBI GeneID	761
NCBI Accession #	NP_005172.1
NCBI GenBank Nucleotide #	NM_005181.3
UniProt Accession #	P07451 ; O60842 ; B2R867 ; B3KUC8
Molecular Weight	29,557 Da
NCBI Official Full Name	carbonic anhydrase 3
NCBI Official Synonym Full Names	carbonic anhydrase III

NCBI Official Symbol	CA3
NCBI Official Synonym Symbols	Car3; CAIII
NCBI Protein Information	carbonic anhydrase 3; CA-III; HEL-S-167mP; carbonate dehydratase III; carbonic anhydrase III, muscle specific; epididymis secretory sperm binding protein Li 167mP
UniProt Protein Name	Carbonic anhydrase 3
UniProt Gene Name	CA3
UniProt Synonym Gene Names	CA-III
UniProt Entry Name	CAH3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/ca3-recombinant-protein-e-coli/38245>