

Carbonic Anhydrase-1 Recombinant Protein | CA1 recombinant protein

Recombinant E Coli Carbonic Anhydrase-1

CATALOG #
AAA38067

HOST
E Coli

PRODUCT SYNONYMS

Carbonic Anhydrase-1; Recombinant E Coli Carbonic Anhydrase-1; CA1; E Coli; CA1 E Coli; Carbonic Anhydrase-1 E Coli Recombinant; Carbonate dehydratase; CAN; ECK0125; JW0122; yadF; CA 1; CA I; CAI; Car 1; Car1; Carbonate dehydratase I; Carbonic anhydrase 1; Carbonic anhydrase B; CA1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	Sterile filtered clear solution. CA1 E Coli protein (1mg/ml) is formulated in 20mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol.
Sequence	MGSSHHHHH SSSLVPRGSH MKDIDTLISN NALWSKMLVE EDPGFFEKLA QAQKPRFLWI GCSDSRVPAE RLTGLEPGEL FVHRNVANLV IHTDLNCLSV VQYAVDVLEV EHIICGHYG CGGVQAAVEN PELGLINNW LHIRDIWFKH SSSLGEMPQE RRLDTLCELN VMEQVYNLGH STIMQSAWKR GQKVITIHGWA YGIHDGLLRD LDVTATNRET LEQRYRHGIS NLKLKHANHK
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for CA1 recombinant protein	CA, also known as carbonic anhydrase is an enzyme that functions around the involvement of CO ₂ + H ₂ O to HCO ₃ ⁻ + H ⁺ (conversion of CO ₂ to bicarbonate & protons). This enzyme holds a Zn ion as part of its active site. The central function of CA is to preserve the acid-base homeostasis within the blood and various organs. carbonic anhydrase assists Carbonic Anhydrase I to move CO ₂ to and from tissues. CA1 E Coli Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 240 amino acids (1-220) and having a molecular mass of 27.0 kDa. CA1 E Coli is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Product Categories/Family for CA1 recombinant protein	ENZYMES

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.

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Online datasheet: <https://stage.aaabiotech.com/carbonic-anhydrase-1-recombinant-protein-e-coli/38067>