

Human Carbonic Anhydrase 2 Recombinant Protein



RPPB1459

Product Information Protein Information

Product SKU:

RPPB1459

Accession:

P00918

Host:

Escherichia Coli.

Protein description:

Carbonic anhydrase 2 Human Recombinant protein produced in E.Coli containing 260 amino acids (1-260) and having a molecular mass of 29.2 kDa. The Carbonic anhydrase 2 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Carbonic anhydrase 2, Carbonate dehydratase 2, Carbonic Anhydrase II, CA-II, Carbonic anhydrase C, CAC, CA2, CAII, Car2.

Formulation:

Carbonic Anhydrase 2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 50mM NaCl and 10% glycerol.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°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.

Amino Acid Sequence:

MSHHWGYGKH NGPEHWHKDF PIAKGERQSP V D I D T H T A K Y D P S L K P L S V S Y D Q A T S L R I L N N G H A F N V E F
D D S Q D K A V L K G G P L D G T Y R L I Q F H F H W G S L D G Q G S E H T V D K K Y A A E L H L V H W N T K Y G D F G K A V Q Q P D G L
A V L G I F L K V G S A K P G L Q K V V D V L D S I K T K G K S A D F T N F D P R G L L P E S L D Y W T Y P G S L T T P P L L E C V T W I V
L K E P I S V S S E Q V L K F R K L N F N G E G E P E E L M V D N W R P A Q P L K N R Q I K A S F K

Biological Activity:

Specific activity is 50-70 nmoles/min/μg and was obtained by measuring the increase in the amount of p-nitrophenol by its esterase activity. Specific activity is defined as the amount of p-nitrophenol that 1ug of enzyme can reduce at 25C for 1 minute.