

Carbonic Anhydrase II E.coli Recombinant

Item Number	rAP-0862
Synonyms	Carbonic anhydrase 2, Carbonate dehydratase 2, can, cynT2, yadF, b0126, JW0122, Carbonic Anhydrase II.
Description	Carbonic anhydrase II is an E.coli Recombinant protein produced in E.Coli containing 240 amino acids (1-220) and having a molecular mass of 27 kDa. Carbonic anhydrase is expressed with an amino-terminal hexahistidine tag. The Carbonic anhydrase 2 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P61517
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MKDIDTLISN NALWSKMLVE EDPGFFEKLAQAQKPRFLWI GCSDSRVPAE RLTGLEPGEL FVHRNVANLV IHTDLNCLSV VQYAVDVLEV EHIICGHYG CCGVQAA- VEN PELGLINNWL HIRDIWFKH SLLGEMPQE RRLDTLCELN VMEQVYNLGH STIMQSAWKR GQKVTI- HGWA YGIHDGLLRD LDVTATNRET LEQRYRHGIS NLKLKHANHK.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The Carbonic Anhydrase 2 enzyme is supplied in 20mM Tris pH-8 and 1mM DTT. Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**