



Carbonic Anhydrase III Human Recombinant

Item Number	rAP-0865
Synonyms	Car3, CAIII, Carbonic anhydrase 3, EC 4.2.1.1, Carbonic anhydrase III, Carbonate dehydratase III, CA-III.
Description	CA3 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 260 amino acids (1-260 a.a.) and having a molecular mass of 29.5 kDa. The CA3 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P07451
Amino Acid Sequence	MAKEWGYASH NGPDHWHELF PNAKGENQSP IELHTKDIRH DPSLQPWSVS YDGGSAKTIL NNGKT-CRVMF DDTYDRSMLR GGPLPGPYRL RQFHLHWGSS DDHGSEHTVD GVKYAAELHL VHWNPKYNTF KEALKQRDGI AVIGIFLKIG HENGEFQIFL DALDKIKTKG KEAPFTKFD P SCLFPACRDY WTYQGSFTTP PCEECIVWLL LKEPMTVSSD QMAKLRSLLS SAENEPPVPL VSNWRPPQPI NNRVVRASFK.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear 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). Please avoid freeze-thaw cycles.
Formulation and Purity	The CA3 solution contains 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol. Greater than 90% as determined 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**