

Carbonic Anhydrase XIII Human Recombinant

Item Number	rAP-0869
Synonyms	Carbonic Anhydrase XIII, Carbonate Dehydratase XIII, EC 4.2.1.1, CA-XIII, Carbonic, Anhydrase 13, CAXIII.
Description	CA13 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 285 amino acids (1-262a.a) and having a molecular mass of 31.8kDa.CA13 is fused to a 23
Uniprot Accession Number	Q8N1Q1
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSP MGSMRSLSWG YREHNGPIHW KEFFPIADGD QQSPIEIKTK EVKYDSSLRP LSIKYDPSSA KIISNSGHSF NVDFDDTENK SVLRGGPLTG SYRLRQVHLH WGSADDHGSE HIVDGVSYAA ELHVVHWNSD KYP SFVEAAH EPDGLAVLGV FLQIGEPNSQ LQKITDTLDS IKEKGKQTRF TNFDLLSLLP PSWDYWTYPG SLTPVPLLES
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear 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	CA13 protein solution (0.5mg/ml) containing Phosphate buffered saline (pH7.4),10% glycerol and 1mM DTT. Greater than 90.0% as
Application	
Solubility	
Biological Activity	Specific activity is > 2,500 pmol/min/ug, and is defined as the amount of enzyme that hydrolyze 1.0 pmole of 4-nitrophenyl acetate to 4-nitrophenol per minute at pH 7.5 at 37C.
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**