

## Carbonic Anhydrase XIII Human Recombinant

<b>Item Number</b>	rAP-0869
<b>Synonyms</b>	Carbonic Anhydrase XIII, Carbonate Dehydratase XIII, EC 4.2.1.1, CA-XIII, Carbonic Anhydrase 13, CAXIII.
<b>Description</b>	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
<b>Uniprot Accesion Number</b>	Q8N1Q1
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSP MGSMSRLSWG YREHNGPIHW KEFFPIADGD QQSPIEIKTK EVKYDSSLRP LSIKYDPSSA KIISNSGHSF NVDFDDTENK SVLRGGPLTG SYRLRQVHLH WGSADDHGSE HIVDGVSYAA ELHVVHWNSD KYPSFVEAAH EPDGLAVLGV FLQIGEPNSQ LQKITDTLDS IKEKGKQTRF TNFDLLSLP PSWDYWTYPG SLTVPPLES
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	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.
<b>Formulation and Purity</b>	CA13 protein solution (0.5mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT. Greater than 90.0% as
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	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.
<b>Shipping Format and Condition</b>	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 end users! This product is sold for **Research Use Only**