

Carbonic Anhydrase XIV Human Recombinant

Item Number	rAP-0867
Synonyms	Carbonic anhydrase 14, Carbonate dehydratase XIV, Carbonic anhydrase XIV, CA-XIV, CA14, CAXiV.
Description	CA14 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 298 amino acids (16-290 a.a.) and having a molecular mass of 33.2kDa. CA14 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9ULX7
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSADGGQHW TYEGPHGQDH WPASYPECGN NAQSPIDIQT DSVTFDPDLP ALQPHGYDQP GTEPLDLHNN GHTVQLSLPS TLYLGGLPRK YVAAQLHLHW GQKG- SPGGSE HQINSEATFA ELHIVHYDSD SYDSLSEAAE RPQGLAVLGI LIEVGETKNI AYEHLSHLH EVRHKDQKTS VPPFNLRELL PKQLGQYFRY NGSLTTPPCY QSVLWTVFYR RSQISMEQLE KLQGTLF- STE EEPSKLLVQN YRALQPLNQR MVFASFIQAG SSYTTGEM.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. NPL Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
Formulation and Purity	CA14 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT. Greater than 85.0% 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**