

Carbonic Anhydrase XI Human Recombinant

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| Item Number | rAP-0866 |
| Synonyms | Carbonic Anhydrase XI, Carbonic Anhydrase-Related Protein 2, Carbonic Anhydrase-Related Protein 11, CARP-2, CA-RP II, CARP XI, CARPX1, CA-XI. |
| Description | CA11 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 326 amino acids (24-328) and having a molecular mass of 36.3kDa. CA11 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. |
| Uniprot Accession Number | O75493 |
| Amino Acid Sequence | MGSSHHHHHH SSGLVPRGSH MHIGPAPDPE DWWSYKDNLQ GNFPVGPFFW GLVNAAWSLC AVGKRQSPVD VELKRVLYDP FLPLRLSTG GEKLRGTLYN TGRHVSFLPA PRPVNVVSGG PLLYSHRLSE LRLFGARDG AGSEHQINHQ GFSAEVQLIH FNQELYGNFS AASRGPNGLA ILSLFVN- VAS TSNPFLSRL NRDITIRISY KNDAYFLQDL SLELLFPESF GFITYQGSL TPCSETVTW ILIDRAL- NIT SLQMHSRLRL SQNPSSQIFQ SLSGNSRPLQ PLAHRALRGN RDPRHPERRC RGPNYRLHVD |
| 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 | The CA11 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. Greater than 85% 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**