ANGIO-PROTEOMIE
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DATA SHEET

Carbonic Anhydrase-1 Human Recombinant

Item Number	rAP-0864
Synonyms	CA-1, CA1, CAI, CA-I, Carbonate dehydratase I, Carbonic anhydrase I, Carbonic anhydrase 1, Car1.
Description	Recombinant Human Carbonic anhydrase 1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 281 amino acids (1-261 a.a) and having a molecular mass of 31 kDa. Carbonic anhydrase 1 is fused to a 20 amino acids His-Tag at N-terminus and purified by conventional chromatography
Uniprot Accesion Number	P00915
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MASPDWGYDD KNGPEQWSKL YPIANGNNQS PVDIKTSETK HDTSLK-PISV SYNPATAKEI INVGHSFHVN FEDNDNRSVL KGGPFSDSYR LFQFHFHWGS TNEHGSEHTV DGVKYSAELH VAHWNSAKYS SLAEAASKAD GLAVIGVLMK VGEANPKLQK VLDALQAIKT KGKRAP-FTNF DPSTLLPSSL DFWTYPGSLT HPPLYESVTW IICKESISVS SEQLAQFRSL LSNVEGDNAV PMQHNNRPTQ PLKGRTVRAS F.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered 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). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The Carbonic Anhydrase-1 protein solution contains 20mM Tris-HCl, pH-8, 1mM DTT and 10% Glycerol. Greater than 95.0% 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

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