

# Human CA1 Recombinant Protein



RPPB1456

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## Product Information    Protein Information

**Product SKU:**

RPPB1456

**Accession:**

P00915

**Host:**

Escherichia Coli.

**Protein description:**

CA1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 281 amino acids (1-261) and having a molecular mass of 31.0 kDa. CA1 Humanis fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered clear solution.

**Synonyms:**

CA1, CA-I, CAB.

**Formulation:**

CA1 Human protein (1mg/ml) is formulated in 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Stability:**

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.

**Amino Acid Sequence:**

MGSSHHHHHH SGLVPRGSH MASPDWGYDD KNGPEQWSKL YPIANGNNQS PVDIKTSETK HDTSLKPISV  
SYNPATAKEI INVGHSFHVN FEDNDNRSVL KGGPFSDSYR LQFHFHWGS TNEHGSEHTV DGVKYSALH  
VAHWNSAKYS SLAEAASKAD GLAVIGVLMK VGEANPKLQK VLDALQAIKT KGKRAPFTNF DPSTLLPSSL  
DFWTYPGSLT HPPLYESVTW IICKESISVS SEQLAQFRSL LSNVEGDNAV PMQHNNRPTQ PLKGRTVRAS F.

**Biological Activity:**

Specific activity is > 300pmol/min/ug, and is defined as the amount of enzyme that hydrolyze 1.0pmole of 4-nitrophenyl acetate to 4-nitrophenol per minute at pH 8.0 at 37C.