

# Human CA8 Recombinant Protein



RPPB1463

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## Product Information    Protein Information

**Product SKU:**

RPPB1463

**Accession:**

P35219

**Host:**

Escherichia Coli.

**Protein description:**

CA8 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 314 amino acids (1-290) and having a molecular mass of 35.5kDa. CA8 Humanis fused to a 24 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered clear solution.

**Synonyms:**

Carbonic anhydrase-related protein, CA-VIII, CALS, CAMRQ3, CARP.

**Formulation:**

CA8 Human protein (1mg/ml) is formulated in 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT.

**Purity:**

Greater than 90.0% 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 MGSHMADLSF IEDTVAFPEK EEEEEEEG VEWGYEEGVEWGLVFPDANG  
EYQSPINLNS REARYDPSLL DVRLSPNYVV CRDCEVTNDG HTIQVILKSKSVLSGGPLPQ GHEFELYEVR  
FHWGRENQRG SEHTVNFKAF PMELHLIHWN STLFGSIDEAVGKPHGIAII ALFVQIGKEH VGLKAVTEIL  
QDIQYKGKSK TIPCFNPNTL LPDPLLRDYWVYEGSLTIPP CSEGVTWILF RYPLTISQLQ IEEFRRLRTH  
VKGAELVEGC DGILGDNFRP TQPLSDRVIR AAFQ

**Biological Activity:**

Specific activity is > 450 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.