

# Recombinant Human Carbonic Anhydrase 10/CA10 Protein (E.coli, His RPES4157)

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES4157

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Contents:** 50µg, 10µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Human

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Synonyms:** CA-RP X, CA-RPX, CA10, CARP X, CARPX, Carbonic Anhydrase-Related Protein 10, Carbonic Anhydrase-Related Protein X, Cerebral Protein 15, HUCEP-15

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.  
Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** C-His

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Expression Host:** E.coli

**Bio-Activity:** Not validated for activity

**Calculated MW:** 33.0 kDa

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 25mM Tris-HCl, 150mM NaCl, pH 7.5. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

**Observed MW:** 31 kDa

**Reconstitution:** Please refer to the printed manual for detailed information.

**Accession:** Q9NS85

**Source:** E.coli-derived Human Carbonic Anhydrase 10, CA10 protein Ala21-Asn300, with an C- terminal His

**Sequence:** Ala21-Asn300

**Form:** Lyophilized powder

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.