

# Recombinant Human Carbonic Anhydrase 3/CA3 Protein (His Tag)

RPES2553

## 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:** RPES2553

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

**Contents:** 100µg, 1mg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Human

**Endotoxin:** Please contact us for more information.

**Synonyms:** CA-III, CA3, Car3, Carbonate Dehydratase III, Carbonic Anhydrase 3, Carbonic Anhydrase III

**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:** Measured by its esterase activity. The specific activity is > 5 pmoles/min/µg.

**Calculated MW:** 30.4 kDa

**Formulation:** Lyophilized from sterile 50mM Tris, 500mM NaCl, 10% glycerol, pH 8.0 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:** 30.4 kDa

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

**Accession:** NP\_005172.1

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

**Source:** E.coli-derived Human Carbonic Anhydrase 3/CA3 protein Met 1-Lys 260, with an C- terminal His

**Sequence:** Met 1-Lys 260

**Form:** Lyophilized powder

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.