

# Recombinant Human CA5A/CA-VA Protein (His Tag)

RPES2596

## 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:** RPES2596

**Purity:** > 96 % as determined by reducing SDS-PAGE.

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

**Concentration:** -

**Species:** Human

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

**Synonyms:** CA5, CA5AD, CA5D, CAV, CAVA, Carbonic Anhydrase VA, GS1-21A4.1

**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 > 500 pmoles/min/µg.

**Calculated MW:** 31.6 kDa

**Formulation:** Lyophilized from sterile 50mM NaAc, 50mM NaCl, 0.05% Brij 35, pH 5.0 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:** 33 kDa

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

**Accession:** NP\_001730.1

**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 CA5A/CA-VA protein Ala 40-Ser 305, with an C-terminal His

**Sequence:** Ala 40-Ser 305

**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.