

# Recombinant Mouse Cystatin 7/CST7 Protein (Fc Tag)

RPES3541

## 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:** RPES3541

**Purity:** > 93 % as determined by reducing SDS-PAGE.

**Contents:** 20µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Mouse

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

**Synonyms:** CMAP, Cst7, Cystatin-7, Cystatin-F, Cystatin-like Metastasis-Associated Protein, Leukocystatin

**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-hFc

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

**Expression Host:** HEK293 Cells

**Bio-Activity:** Measured by its ability to inhibit active Cathepsin L cleavage of a fluorogenic peptide substrate Z-LR-AMC, R&D Systems, Catalog # ES008. The IC50 is < 6 nM.

**Calculated MW:** 41.4 kDa

**Formulation:** Lyophilized from sterile 25mM Tris, 0.15M 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:** 42 kDa

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

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

**Accession:** O89098

**Source:** HEK293 Cells-derived Mouse Cystatin 7/CST7 protein Met1-Gln144, with an C- terminal hFc

**Sequence:** Met1-Gln144

**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.