

# Recombinant Human MMP8/CLG1 Protein (His Tag)

RPES5060

## Description

---

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

---

**SKU:** RPES5060

**Purity:** > 90 % as determined by reducing SDS-PAGE.

**Contents:** 100µg, 20µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Human

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

**Synonyms:** CLG1, MMP-8, MMP8, Matrix metalloproteinase-8, Neutrophil collagenase, PMNL collagenase, PMNL-CL

**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:** HEK293 Cells

**Bio-Activity:** Measured by its ability to cleave the fluorogenic peptide substrate, Mca-PLGL-Dpa-AR-NH<sub>2</sub> (AnaSpec, Catalog#27076). The specific activity is > 250 pmoles/min/µg. (Activation description: The proenzyme needs to be activated by APMA for an activated form)

**Calculated MW:** 52.6 kDa

**Formulation:** Lyophilized from sterile 50mM Tris, 10mM CaCl<sub>2</sub>, 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.

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

**Observed MW:** 65-75 kDa

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

**Accession:** NP\_002415.1

**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

**Source:** HEK293 Cells-derived Human MMP8/CLG1 protein Met 1-Gly 467, with an C-terminal His

**Sequence:** Met 1-Gly 467

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

**Form:** Lyophilized powder