

Recombinant Human MMP8/CLG1 Protein

RPES5040

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: RPES5040

Purity: > 92 % as determined by reducing SDS-PAGE.

Contents: 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: None

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-NH₂ (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: 52.0 kDa

Formulation: Lyophilized from sterile PBS, pH 7.4. 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: 65 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 Phe 21-Gly 467

Sequence: Phe 21-Gly 467

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

Form: Lyophilized powder