

Recombinant Human MMP1 Protein (His Tag)

RPES2223

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: RPES2223

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

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

Concentration: -

Species: Human

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

Synonyms: CLG, Fibroblast Collagenase, Interstitial Collagenase, MMP-1, MMP1, Matrix Metalloproteinase-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: HEK293 Cells

Bio-Activity: Measured by its ability to cleave the fluorogenic peptide substrate, McaPLGL-Dpa-AR-NH₂, R&D System, Cat#ES010. The specific activity is > 400 pmoles/min/µg (Activation description: The proenzyme needs to be activated by APMA for an activated form)

Calculated MW: 54.8 kDa

Formulation: Lyophilized from sterile 25mM MES, 10mM CaCl₂, 150mM NaCl, 0.05% Brij 35, pH 5.5 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: 50-55 kDa

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

Accession: NP_002412.1

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 MMP1 protein Met 1-Asn 469, with an C-terminal His

Sequence: Met 1-Asn 469

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

Form: Lyophilized powder