

Recombinant Human MMP-2 Protein

RPES2264

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: RPES2264

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: 72 kDa Gelatinase, 72 kDa Type IV Collagenase, CLG4, CLG4A, Gelatinase A, MMP-2, MMP-II, MMP2, MONA, Matrix Metalloproteinase-2, TBE-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: None

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

Expression Host: HEK293 Cells

Bio-Activity: 1. Measured by its ability to cleave the fluorogenic peptide substrate Mca-PLGL-Dpa- AR-NH₂ (AnaSpec, Catalog # 27076). The specific activity is > 1, 000 pmoles/min/µg. 2. Immobilized human MMP2 at 10 µg/mL (100 µl/well) can bind human TIMP2/Fc. The EC₅₀ of human TIMP2/Fc is 0.02 µg/mL. (Activation description: The proenzyme needs to be activated by APMA for an activated form)

Calculated MW: 72 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.

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

Observed MW: 72 kDa

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

Accession: NP_004521.1

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 MMP-2 protein Met 1-Cys 660

Sequence: Met 1-Cys 660

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

Form: Lyophilized powder