

**Synonym**

SL-2, STMY2

**Source**

Human MMP-10 Protein, Tag Free(MM0-H5213) is expressed from human 293 cells (HEK293). It contains AA Tyr 18 - Cys 476 (Accession # [P09238](#)).

Predicted N-terminus: Tyr 18

**Molecular Characterization**

**MMP-10(Tyr 18 - Cys 476)**  
**P09238**

This protein carries no "tag".

The protein has a calculated MW of 52.3 kDa. The protein migrates as 44 kDa and 55-60 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

**Endotoxin**

Less than 1.0 EU per  $\mu$ g by the LAL method / rFC method.

**Purity**

>95% as determined by SDS-PAGE.

**Formulation**

Supplied as 0.2  $\mu$ m filtered solution in 50 mM Tris, 150mM NaCl, PH7.5 with glycerol as protectant.

Contact us for customized product form or formulation.

**Shipping**

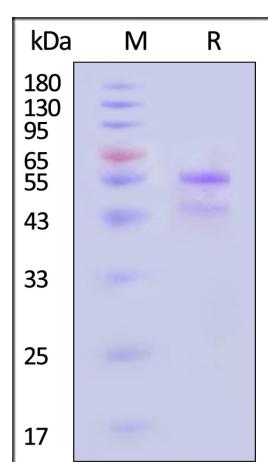
*This product is supplied and shipped with dry ice, please inquire the shipping cost.*

**Storage**

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

**SDS-PAGE**

Human MMP-10 Protein, Tag Free on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

**Bioactivity**

Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH<sub>2</sub>. The specific activity is >450 pmol/min/ $\mu$ g (QC tested).

**Background**

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## Human MMP-10 Protein, Tag Free (active enzyme)

Catalog # MM0-H5213



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Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase. Similar to stromelysin 1, but action on collagen types III, IV and V is weak.

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