



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 µg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Supplied as 0.2 µm 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.

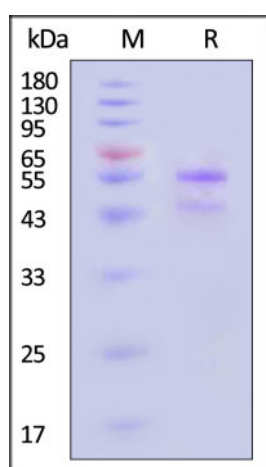
Storage

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)-NH₂. The specific activity is >450 pmol/min/µg (QC tested).

Background

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and more!



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

Catalog # MM0-H5213



BIOSYSTEMS
Acro

Degrades extracellular matrix. Proposed to play a role in breast cancer invasion and metastasis. Exhibits trypsin-like activity as defined by cleavage of synthetic substrates with Arg or Lys as the P1 site. Involved in the terminal differentiation of keratinocytes through prostatic (PRSS8) activation and filaggrin (FLG) processing; Cleaves various synthetic substrates with Arg or Lys at the P1 position and prefers small side-chain amino acids, such as Ala and Gly, at the P2 position.

Clinical and Translational Updates

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