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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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- Expressversand

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MMP10 Recombinant Protein (Human) (OPED00091)

Data Sheet

Product Number	OPED00091
Product Page	www.avivasysbio.com/mmp10-recombinant-protein-human-oped00091.html
Name	MMP10 Recombinant Protein (Human) (OPED00091)
Protein Size (# AA)	Recombinant amino acids
Molecular Weight	19 kDa
NCBI Gene Id	4319
Concentration	Varies by lot. See vial for concentration.
Source	E. Coli
Gene Full Name	matrix metalloproteinase 10
Alias Symbols	matrix metalloprotease 10;matrix metalloproteinase 10 (stromelysin 2);matrix metalloproteinase-10;MMP-10;SL-2;STMY2;stromelysin-2;transin 2;Transin-2.
Product Format	Liquid. 50mM TRIS (pH 7.5) containing 5mM calcium chloride, 300mM sodium chloride, 20uM zinc chloride, 0.5% Brij-35, and 30% glycerol
Reference	Paxillin-mediated recruitment of calcineurin to the contractile ring is required for the correct progression of cytokinesis in fission yeast: R. Martin-Garcia, et al.; Cell Rep. 25, 772 (2018) Matrix metalloproteinase-10 is a critical effector of protein kinase Ciota-Par6alpha -mediated lung cancer: L.A. Frederick, et al.; Oncogene 27, 4841 (2008)
Description of Target	Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase.
Reconstitution and Storage	After initial thaw, aliquot product into individual tubes, snap freeze and store at -80°C (long-term storage). Procedures such as dilution of the enzyme followed by refreezing, could lead to loss of activity. Dilute only prior to use.
Datasheets/Manuals	Printable datasheet for MMP10 Recombinant Protein (Human) (OPED00091) (OPED00091)
Application Info	Useful tool to study of enzyme kinetics, cleave target substrates, and screen for inhibitors.
Biological Activity	Activity: Preincubation of MMP-10 catalytic domain at 22nM with the broad-spectrum inhibitor GM6001 at 100nM for 1 hour inhibits enzymatic activity by 95% Specific Activity: ≥ 500 pmol/min/ug. One U=100 pmol/min at 37°C using the colorimetric thiopeptolide Ac-Pro-Leu-Gly-S-Leu-Leu-Gly-OEt as substrate.
Uniprot ID	P09238
Protein Name	Stromelysin-2
Purification	Partially purified by single-step affinity chromatography and gel filtration.
Gene Symbol	MMP10
Predicted Species Reactivity	Homo sapiens Human
Image 1	

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Optimal conditions of its use should be determined by end users.

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