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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

MMP8, His-tag

Human, recombinant, C-terminal His-tag

Catalog #: 100552

Lot #: 191217-1

Conc.: 0.59 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol.

Stability: At least 6 months at -80°C . Avoid freeze/thaw cycles.

References:

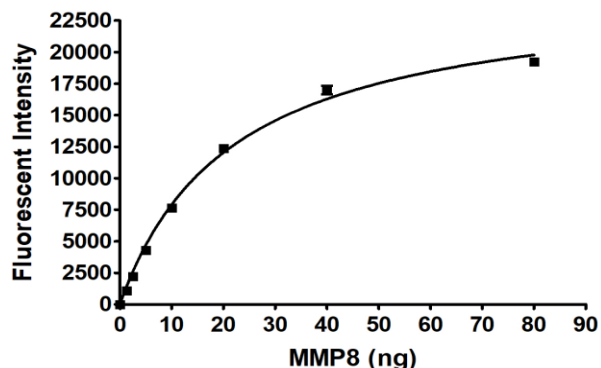
1. Palavalli, L.H., *et al.*, *Nature Genetics* 2009 Mar;**41**:518-520.
2. Wang, H., *et al.*, *Hum. Molec. Genetics* 2004 Nov;**13(21)**:2659-69.

Description: Human matrix metalloproteinase 8 (MMP8), also known as HNC, CLG1, MMP-8 and PMNL-CL, GenBank Accession No. NM_002424, a.a. 21-467(end) with C-terminal His-tag, expressed in a HEK293 cell expression system. MW=52 kDa. This protein runs at a higher molecular weight due to glycosylation.

Specific Activity: 280 pmol/min/ μg
 Assay Conditions: MMP-8 is activated in 50 mM Tris-HCl, pH7.4, 150 mM NaCl, 10 mM CaCl_2 , 0.05% Brij-35 and 1 mM APMA at 37C for 2 hours. Activity assay is conducted in 50 mM Tris-HCl, pH7.4, 150 mM NaCl, 10 mM CaCl_2 , 0.05% Brij-35 and 1uM 390 MMP substrate at room temperature for 30minutes. The fluorescence intensity is measured at exc328nm/em393nm.

Quality Assurance

Specific Activity

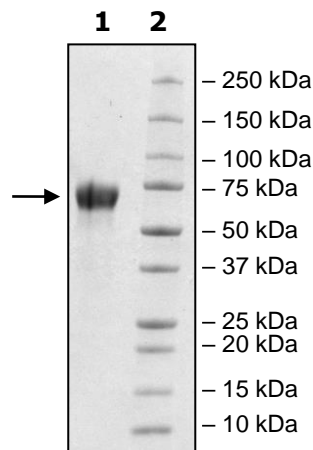


**4-20% SDS-PAGE
Coomassie staining**

Lane 1:
4 μg MMP8
Lane 2:
Protein Marker

MW: 52 kDa +
Glycans

Purity: $\geq 90\%$



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