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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

MMP2

Human, recombinant, C-terminal His-tag
 Catalog #: 80213
 Lot #: 130730 Conc.: 1.27 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 200 mM imidazole, and 20% glycerol.

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

References:

1. Van Dijk, M., *et al.*, *Front Genet.* 2012; **3**:22.
2. Klotzsche-von Ameln, A., *et al.*, *Cancer Biol Ther.* 2012 Feb 15; **13(4)**: 216 – 223.

Description: Human matrix metalloproteinase-2 (MMP2), also known as gelatinase A (GenBank Accession No. NM_004530), a.a. 30 – 660 (end), with C-terminal His-tag, MW=72 kDa, expressed in an HEK293 cell expression system.

Specific Activity: 511 pmole/min/μg

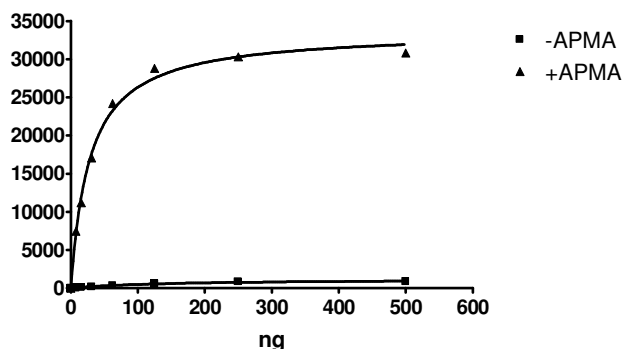
Activation: This is a proform enzyme and requires activation prior to testing activity. Dilute the enzyme to 100 ng/ml in a solution containing 50 mM HEPES, pH 7.4, 10 mM CaCl₂, 0.05% Brij-35, and 1 mM APMA (amino-phenyl mercuric acetate). Incubate at 37°C for 2 hours.

Assay conditions: Reaction mixture with 10 μM 390 MMP substrate 1 (Anaspec). Incubate for 30 minutes at room temperature. Fluorescence intensity is measured at exc328/em393.

Application: Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Quality Assurance

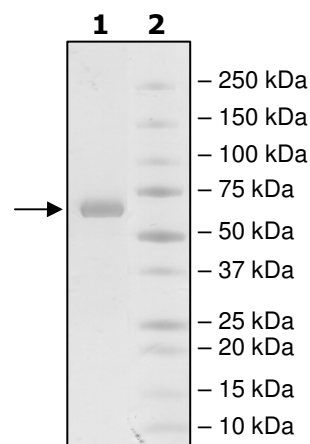
Specific Activity



4-20% SDS-PAGE Coomassie staining

Lane 1:
2.5 μg MMP2
Lane 2:
Protein Marker

MW: 72 kDa
Purity: ≥90%





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Sequence:

APSPIIKFPGDVAPKTDKELAVQYLNTFYGCPKESC�LFVLKDTLKKMQKFFGLPQTG
DLNQNTIETMRKPRCGNPDVANYNFFPRKPKWDKNQITYRIIGYTPDLDPETVDDAFA
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WLGCHHHHHHHHHH

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