



## Human MMP-3 (glycosylated, HEK)

Synonyms: Stromelysin-1, EC 3.4.24.17, Matrix metalloproteinase-3, MMP-3, Transin-1, SL-1, STMY, STR1, STMY1, MGC126102, MGC126103, MGC126104.

*PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING*

Size	Order#	Lot#	Expiry Date
2 µg	2145.955.002		
10 µg	2145.955.010		
1 mg	2145.955.199		

Please enquire for bulk quantities and other vial sizes.

### Description

MMP-3 Human Recombinant produced in HEK293 cells is a proform of the Human MMP3 [Tyr18-Cys477 (Lys45 Glu)] and fused with a ployhistidine tag at the C-terminus, having an Mw of 52 kDa.

- **Source** HEK
- **Purity** ≥ 95 % (SDS-PAGE)
- **Buffer** The MMP-3 is supplied as a 0.2µm filtered solution in 20 mM Tris-HCl, 150 mM NaCl and 0.05 % Brij35, pH 7.5\*
- **Physical State** Sterile filtered colorless solution

### Biological Activity

The activity was measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH<sub>2</sub>. The specific activity is > 150 pmoles/min/µg. Recombinant Human MMP-3 protein pro form needs to be activated with Chymotrypsin. Activation Protocol: 1. Dilute MMP3 to 20µg/ml in the Assay Buffer: 50 mM Tris, 10 mM CaCl<sub>2</sub>, 150 mM NaCl, 0.05 % (w/v) and Brij 35, pH 7.5. 2. Activate MMP3 by adding Chymotrypsin (Sigma, Catalog#C3142, 1 mg/ml stock in 1 mM HCl) to a final concentration of 5 µg/ml. 3. Incubate at 37°C for 30 minutes. 4. Stop activation with 2 mM PMSF. Pre-warm the PMSF to 37°C prior to adding to sample.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. **Please avoid repeated freeze-thaw cycles.**

**Usage:** For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

\*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.