

## Matrix Metalloproteinase-1 Human Recombinant, HEK

<b>Item Number</b>	rAP-1302
<b>Synonyms</b>	Interstitial collagenase, Fibroblast collagenase, Matrix metalloproteinase-1, MMP-1, MMP1, CLG, CLGN.
<b>Description</b>	MMP-1 Human Recombinant produced in HEK293 cells is a proform of the Human MMP1 (Met1-Asn469) and fused with a polyhistidine tag at the C-terminus, having an Mw of 52kDa. MMP-1 is purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P03956
<b>Amino Acid Sequence</b>	
<b>Source</b>	HEK293 cells.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	The MMP-1 is supplied as a 0.2µm filtered solution in MES, NaCl, Glycerol and Brij35. Greater than 95% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	The activity was measured by its ability to cleave fluorogenic peptide substrate, Mca-KPLGL-Dpa-AR-NH <sub>2</sub> . The specific activity is > 400 pmoles/min/µg. Recombinant Human MMP-1 protein pro form needs to be activated with p-aminophenylmercuric acetate (APMA)
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**