

Matrix Metalloproteinase-8 Human Recombinant

Item Number	rAP-1309
Synonyms	Neutrophil collagenase, EC 3.4.24.34, Matrix metalloproteinase-8, MMP-8, PMNL collagenase, PMNL-CL, HNC, CLG1.
Description	Matrix Metalloproteinase-8 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain having a molecular mass of 75 kDa. The MMP-8 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P22894
Amino Acid Sequence	
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear 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.
Formulation and Purity	The MMP-8 protein solution (100 units/ml) in 0.05M Tris-HCl buffer, pH 7.6, 0.2M NaCl, 5mM CaCl ₂ , 0.0025% NaN ₃ and 0.1% BSA. Greater than 90% as determined by SDS-PAGE.
Application	Used as a standard for analyzing mammalian collagenase activity.
Solubility	
Biological Activity	100 units/ml after activation with APMA by solution assay method. One unit of collagenolytic activity is defined as the cleavage of 1µg of collagen per minute by the solution method.
Shipping Format and Condition	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**