

Matrix Metalloproteinase-2 Human Recombinant, HEK

Item Number	rAP-1303
Synonyms	72 kDa type IV collagenase, 72 kDa gelatinase, Gelatinase A, Matrix metalloproteinase-2, MMP-2, TBE-1, MMP2, CLG4A, CLG4, MONA, MMP-II.
Description	MMP-2 Human Recombinant produced in HEK293 cells is a proform of the Human MMP-2 (Ala30-Cys660) and fused with a ployhistidine tag at the C-terminus, having an Mw of 71kDa. MMP-2 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P08253
Amino Acid Sequence	
Source	HEK293 cells.
Physical Appearance and Stability	The MMP-2 is supplied as a sterile Filtered colorless solution. Store MMP-2 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-2 is supplied as a 0.2µm filtered solution in 20mM Tris-HCl, 150mM NaCl and 0.05% Brij 35, pH 7.4. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	The activity was measured by its ability to cleave fluorogenic peptide substrate, Mca-PLGL-Dpa-AR-NH2 (RND,Catalog # ES001)., The specific activity is > 1,000 pmoles/min/µg.Recombinant Human MMP-2 protein pro form needs to be activated with p-aminophen
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**