

Human MMP-2 Protein (pro form)

Cat. No. MMP-HM102

Description

Source	Recombinant Human MMP-2 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Ile34-Cys660.
Accession	P08253
Molecular Weight	The protein has a predicted MW of 71.6 kDa. Due to glycosylation, the protein migrates to 72-75 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per ug by the LAL method.
Purity	> 90% as determined by Bis-Tris PAGE

Formulation and Storage

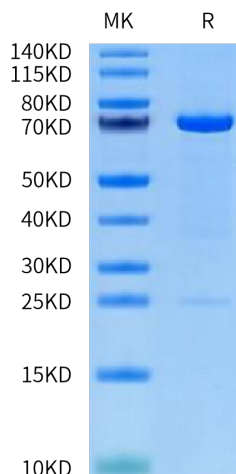
Formulation	Supplied as 0.22µm filtered solution in 25mM Tris, 150mM NaCl, 50% Glycerol (pH 7.5).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Matrix metalloproteinase (MMP)-2 cleaves a broad spectrum of substrates, including extracellular matrix components (responsible for normal tissue remodeling) and cytokines (modulators of the inflammatory response to physiological insults such as tissue damage). MMP-2 expression is elevated in many cardiovascular pathologies (e.g., myocardial infarction, hypertensive heart disease) where tissue remodeling and inflammatory responses are perturbed.

Assay Data

Bis-Tris PAGE



Human MMP-2 on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.