

Human MMP-14 Protein



Cat. No. MMP-HM114

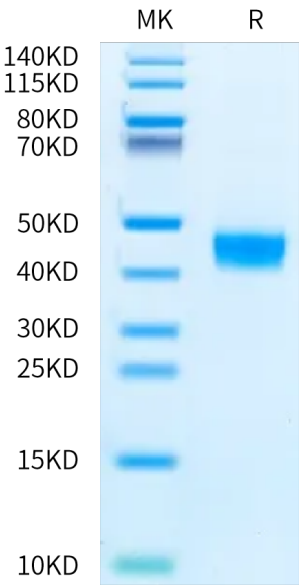
Description	
Source	Recombinant Human MMP-14 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Tyr112-Ala541.
Accession	P50281
Molecular Weight	The protein has a predicted MW of 50.78 kDa. Due to glycosylation, the protein migrates to 38-48 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in 25mM Tris, 150mM NaCl (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	
MMP-14 (also known as MT1-MMP) is a membrane-bound collagenase and member of the Matrix Metalloprotease (MMP) family known to target a broad range of extracellular matrix (ECM) proteins. MMP-14 can affect this regeneration via activation of other MMPs (MMP-2, -9 and -13) as well as cytokines, chemokines and growth factors.	

Assay Data

Bis-Tris PAGE



Human MMP-14 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.