

# Human MMP-14 Protein

Cat. No. MMP-HE114

## Description

|                         |   |
|-------------------------|---|
| <b>Source</b>           | Recombinant Human MMP-14 Protein is expressed from E.coli with His tag at the N-Terminus.<br>It contains Tyr112-Ala541. |
| <b>Accession</b>        | P50281  |
| <b>Molecular Weight</b> | The protein has a predicted MW of 50.5 kDa same as Bis-Tris PAGE result.  |
| <b>Endotoxin</b>        | Less than 1EU per ug by the LAL method.   |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE  |

## Formulation and Storage

|                    |  |
|--------------------|--|
| <b>Formulation</b> | Supplied as 0.22µm filtered solution in PBS, 0.5% SKL (pH 7.4).  |
| <b>Storage</b>     | 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 metalloproteinases (MMPs) are involved in most biological processes. Recently, MMP14 was reported to be up-regulated in some types of cancer and to promote cancer cell invasion and metastasis. MMP14 plays an important role in CRC progression and prognosis and could be a useful biomarker for prediction of survival after colectomy.

## Assay Data

### Bis-Tris PAGE



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