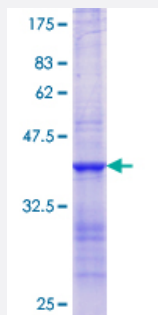


# MMP10 (Human) Recombinant Protein (Q01)

Catalog # H00004319-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                      |                                                                                                             |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human MMP10 partial ORF ( NP_002416.1, 271 a.a. - 368 a.a.) recombinant protein with GST-tag at N-terminal. |
| <b>Sequence</b>                      | EPLVPTKSVPSPGSEMPAKCDPALSFDAISTLRGEYLFFKDRYFWRRSHWNPEPEFHLISAFWPS<br>LPSYLDAAAYEVNSRDTVIFIKGNEFWAIRGNEVQ    |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                       |
| <b>Theoretical MW (kDa)</b>          | 36.52                                                                                                       |
| <b>Interspecies Antigen Sequence</b> | Mouse (76)                                                                                                  |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                       |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                           |
| <b>Quality Control Testing</b>       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                 |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                    |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                             |
| <b>Note</b>                          | Best use within three months from the date of receipt of this protein.                                      |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — MMP10

Entrez GeneID [4319](#)

GeneBank Accession# [NM\\_002425](#)

Protein Accession# [NP\\_002416.1](#)

Gene Name MMP10

Gene Alias SL-2, STMY2

Gene Description matrix metalloproteinase 10 (stromelysin 2)

Omim ID [185260](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene degrades proteoglycans and fibronectin. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq]

**Other Designations** matrix metalloproteinase 10|matrix metalloproteinase 10|matrix metalloproteinase 10 (stromelysin 2)|stromelysin 2|transin 2

## Disease

- [Adenocarcinoma](#)
- [Aortic Aneurysm](#)

- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Liver Cirrhosis](#)
- [Myocardial Infarction](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)