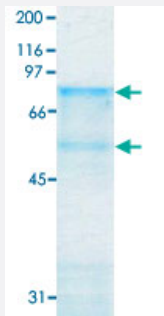


MMP11 (Human) Recombinant Protein

Catalog # P4554 Size 50 ug

Applications



Specification

Product Description	Human MMP11 (NP_005931.1, 33 a.a. - 488 a.a.) partial recombinant protein with His-GST tag expressed in <i>Escherichia coli</i> .
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	79.817
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 80% by SDS-PAGE
Quality Control Testing	10% SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 20mM Sodium Phosphate, 0.5M NaCl, 0.15M imidazole, pH 7.4.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing

Applications

- SDS-PAGE

Gene Info — MMP11

Entrez GeneID	4320
Protein Accession#	NP_005931.1
Gene Name	MMP11
Gene Alias	SL-3, ST3, STMY3
Gene Description	matrix metalloproteinase 11 (stromelysin 3)
Omim ID	185261
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. However, the enzyme encoded by this gene is activated intracellularly by furin within the constitutive secretory pathway. Also in contrast to other MMP's, this enzyme cleaves alpha 1-proteinase inhibitor but weakly degrades structural proteins of the extracellular matrix. [provided by RefSeq]
Other Designations	matrix metalloproteinase 11 matrix metalloproteinase 11 (stromelysin 3) stromelysin 3 stromelysin III

Publication Reference

- [Diagnostic values of MMP-7, MMP-9, MMP-11, TIMP-1, TIMP-2, CEA, and CA19-9 in patients with colorectal cancer.](#)

Xiwen Huang, Yongquan Lan, En Li, Jiaquan Li, Qiaoting Deng, Xunwei Deng.

The Journal of International Medical Research 2021 May; 49(5):3000605211.

Application: ELISA, Human, Human serum

Disease

- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)

- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Liver Cirrhosis](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)