

Recombinant Full Length Human MMP19 Protein, GST-tagged

Cat. No. MMP19-6465HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MMP19 full-length ORF (NP_002420.1, 1 a.a. - 508 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	508 amino acids
Description	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 MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This protein is expressed in human epidermis and it has a role in cellular proliferation as well as migration and adhesion to type I collagen. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]
Molecular Mass	83.8 kDa
AA Sequence	MNCQQLWLGFLLPMTVSGRVLGLAEVAPVDYLSQYGYLQKPLEGSNNFKPEDITEA LRAFQEASELPVSGQLDDATRARMRQPRCGLEDPFNQKTLKYLLLGRWRKKHLTFR ILNLPSTLPPHTARAALRQAFQDWSNVAPLTFQEVQAGAADIRLSFHGRQSSYCSNT FDGPGRVLAHADIPELGSHVHFEDEFWTEGTYRGVNLRIIAAHEVGHALGLGHSRYS QALMAPVYEGYRPHFKLHPDDVAGIQALYGKKSPVIRDEEEEEETELPTVPPVPTEPS

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PMPDPCSSELDAMMLGPRGKTYAFKGDYVWTVSDSGPGPLFRVSALWEGLPGNL
 DAAVYSPRTQWIHFFKGDKVWRYINFKMSPGFPPKLN RVEPNLDAALYWPLNQKVF
 LFKGSGYWQWDELARTDFSSYPKPIKGLFTGVPNQPSAAMSWQDGRVYFFK GKVY
 WRLNQQLRVEKGYPRNISHNWMHCRPRTIDTTPSGGNTTPSGTGITLDTTLSATETT
 FEY

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[MMP19 matrix metalloproteinase 19 \[Homo sapiens \]](#)

Official Symbol

[MMP19](#)

Synonyms

MMP19; matrix metalloproteinase 19; matrix metalloproteinase 19 , MMP18; matrix metalloproteinase-19; RASI 1; MMP-18; MMP-19; matrix metalloproteinase 18; matrix metalloproteinase 19; matrix metalloproteinase-18; matrix metalloproteinase RASI; MMP18; RASI-1;

Gene ID

[4327](#)

mRNA Refseq

[NM_002429](#)

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Protein Refseq	NP_002420
MIM	601807
UniProt ID	Q99542

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