

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	<p>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]</p>
Molecular Mass	83.8 kDa
AA Sequence	<p>MNCQQLWLGFLLPMTVSGRVLGLAEVAPVDYLSQYGYLQKPLEGSNNFKPEDITEA LRAFQEASELPVSGQLDDATRARMRQPRCGLEDPFNQKTLKYLLLGRWRKKHLTFR ILNLPSTLPPHTARAALRQAFQDWSNVAPLTFQEVQAGAADIRLSFHGRQSSYCSNT FDGPGRVLAHADIPELGSHVHFEDEFWTEGTYRGNLRIIAAHEVGHALGLGHSRYS QALMAPVYEGYRPHFKLHPDDVAGIQALYGKKSPVIRDEEEEEETELPTVPPVPTEPS</p>

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PMPDPCSSELDAMMLGPRGKTYAFKGDYVWTVSDSGPGPLFRVSALWEGLPGNL
 DAAVYSPRTQWIHFFKGDVWRYINFKMSPGFPPKLNKRVENLDAALYWPLNQKVF
 LFKGSGYWQWDELARTDFSSYPKPIKGLFTGVPNQPSAAMSWQDGRVYFFKGGKVV
 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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