

# Recombinant Human MMP19 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MMP19-5821H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

MMP19 MS Standard C13 and N15-labeled recombinant protein (NP\_002420) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

This gene encodes a member of a family of proteins that 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. The encoded protein is secreted as an inactive proprotein, which is activated upon cleavage by extracellular proteases. Alternative splicing results in multiple transcript variants for this gene.

### Molecular Mass

57.4 kDa

### AA Sequence

MNCQQLWLGFLLPMTVSGRVLGLAEVAPVDYLSQYGYLQKPLEGSNNFKPEDITEA  
LRAFQEASELPVSGQLDDATRARMRQPRCGLEDPFNQKTLKYLLLGRWRKHLTFR  
ILNLPSTLPPHTARAALRQAFQDWSNVAPLTFQEVQAGAADIRLSFHGRQSSYCSNT  
FDGPGRVLAHADIPELGSHVHFEDEFWTEGTYRGNLRIIAAHEVGHALGLGHSRYS  
QALMAPVYEGYRPHFKLHPDDVAGIQALYGKKSPVIRDEEEEEETELTPVPVPTEPS  
PMPDPCSSELDAMMLGPRGKTYAFKGDYVWTVSDSGPGPLFRVSALWEGLPGNL  
DAAVYSPRTQWIHFFKGDVWRYINFKMSPGFPKLNLRVEPNLDAALYWPLNQKVF

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LFKGSQYVWQWDELARTDFSSYPKPIKGLFTGVNQPNSAAMSWQDGRVYFFKQKVV  
 WRLNQQLRVEKGYPRNISHNWMHCRPRTIDTTPSGGNTTPSGTGITLDTTLSATETT  
 FEYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** MMP19 matrix metalloproteinase 19 [ Homo sapiens (human) ]

**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

**Protein Refseq** NP\_002420

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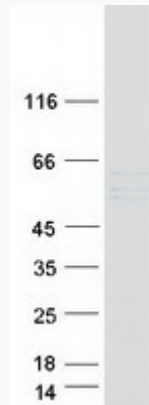
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**MIM** 601807

**UniProt ID** Q99542

**SDS-PAGE**



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