

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 LRAFQEASELPVSGQLDDATRARMRQPRCGLEDPFNQKTLKYLLLGRWRKKHLTFR ILNLPSTLPPHTARAALRQAFQDWSNVAPLTFQEVQAGAADIRLSFHGRQSSYCSNT FDGPGRVLAHADIPELGSHFDEDEFWTEGTYRGVNLRIIAAHEVGHALGLGHSRYS QALMAPVYEGYRPHFKLHPDDVAGIQALYGKKSPVIRDEEEEEETELPTVPPVPTEPS PMPDPCSSELDAMMLGPRGKTYAFKGDYVWTVSDSGPGPLFRVSALWEGLPGNL DAAVYSPRTQWIHFFKGDVWRYINFKMSPGFPKKLNRVEPNLDAALYWPLNQKVF

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LFKGSgywQWDELARTDFSSYPKPIKGLFTGVPNQPSAAMSWQDGRVYFFKGKVV
 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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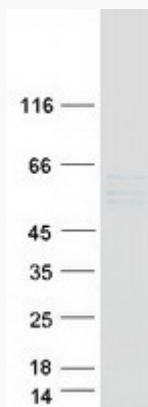
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MIM 601807

UniProt ID Q99542

SDS-PAGE



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