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 FDGPGRVLAHADIPELGSVHFDEDEFWTEGTYRGVNLRIIAAHEVGHALGLGHSRYS QALMAPVYEGYRPHFKLHPDDVAGIQALYGKKSPVIRDEEEEETELPTVPPVPTEPS PMPDPCSSELDAMMLGPRGKTYAFKGDYVWTVSDSGPGPLFRVSALWEGLPGNL DAAVYSPRTQWIHFFKGDKVWRYINFKMSPGFPKKLNRVEPNLDAALYWPLNQKVF

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	LFKGSGYWQWDELARTDFSSYPKPIKGLFTGVPNQPSAAMSWQDGRVYFFKGKVY 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 metallopeptidase 19 [Homo sapiens (human)]
Official Symbol	MMP19
Synonyms	MMP19; matrix metallopeptidase 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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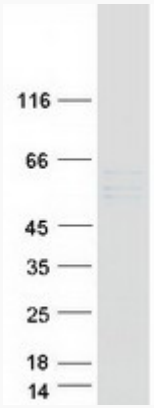
MIM	601807
UniProt ID	Q99542
SDS-PAGE	

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