Human MMP14 Knockdown Cell Lysate

Cat. No. MMP14-243HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated MMP14 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
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 MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, the protein encoded by this gene is a member of the membrane-type MMP (MT-MMP) subfamily; each member of this subfamily contains a potential transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. This protein activates MMP2 protein, and this activity may be involved in tumor invasion.
Form	Cell-Tissue Lysis buffer
Molecular Mass	66 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.

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Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg MMP14 KD HeLa cell lysate
Protein Families	Druggable Genome, Protease, Transmembrane
Protein Pathways	GnRH signaling pathway
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	MMP14 matrix metallopeptidase 14 (membrane-inserted) [Homo sapiens (human)]
Official Symbol	MMP14
Synonyms	MMP14; matrix metallopeptidase 14 (membrane-inserted); matrix metalloproteinase 14 (membrane inserted); matrix metalloproteinase-14; membrane type 1 metalloprotease; MT1 MMP; membrane-type matrix metalloproteinase 1; membrane-type-1 matrix metalloproteinase; matrix metalloproteinase 14 (membrane-inserted); 1; MMP-14; MMP-X1; MT-MMP; MT1MMP; MTMMP1; MT1-MMP; MT-MMP 1;
Gene ID	4323
mRNA Refseq	NM_004995
Protein Refseq	NP_004986

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MIM	600754
UniProt ID	P50281

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