Recombinant Human matrix metallopeptidase 28, His-tagged

Cat. No. MMP28-449H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MMP28,123-520aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	123-520 a.a.
Description	MMP28 protein of the matrix metalloproteinase (MMP) family is involved in the breakdown of extracellular matrix for both normal physiological processes, such as embryonic development, reproduction and tissue remodeling, and disease processes, such as asthma and metastasis. MMP28 is a secreted enzyme that degrades casein. Its expression pattern suggests that it plays a role in tissue homeostasis and in wound repair. Transcript variants encoding different isoforms have been described. Recombinant human MMP28 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	47.3 kDa (421aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSFAKQGNK WYKQHLSYRL VNWPEHLPEP AVRGAVRAAF QLWSNVSALE FWEAPATGPA DIRLTFFQGD HNDGLGNAFD GPGGALAHAF LPRRGEAHFD QDERWSLSRR RGRNLFVVLA HEIGHTLGLT HSPAPRALMA PYYKRLGRDA LLSWDDVLAV QSLYGKPLGG SVAVQLPGKL

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	FTDFETWDSY SPQGRRPETQ GPKYCHSSFD AITVDRQQQL YIFKGSHFWE VAADGNVSEP RPLQERWVGL PPNIEAAAVS LNDGDFYFFK GGRCWRFRGP KPVWGLPQLC RAGGLPRHPD AALFFPPLRR LILFKGARYY VLARGGLQVE PYYPRSLQDW GGIPEEVSGA LPRPDGSIIF FRDDRYWRLD QAKLQATTSG RWATELPWMG CWHANSGSAL F
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	MMP28 matrix metallopeptidase 28 [Homo sapiens]
Official Symbol	MMP28
Synonyms	MMP28; matrix metallopeptidase 28; matrix metalloproteinase 28; matrix metalloproteinase-28; putative MMP28 gene product; EPILYSIN; MM28; MMP 25; MMP 28; matrix metalloproteinase-28; MMP25; MMP-28;
Gene ID	79148
mRNA Refseq	NM_001032278
Protein Refseq	NP_001027449
MIM	608417

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UniProt ID	Q9H239
Chromosome Location	17q21.1
Pathway	Matrix Metalloproteinases, organism-specific biosystem;
Function	calcium ion binding; metalloendopeptidase activity; peptidase activity; zinc ion binding;

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