

Recombinant Human matrix metalloproteinase 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	<p>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.</p>
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	47.3 kDa (421aa)
AA Sequence	<p>MGSSHHHHHH SGLVPRGSH MGSFAKQGNK WYKQHLSYRL VNWPEHLPEP AVRGAVRAAF QLWSNVSALE FWEAPATGPA DIRLTFQGD HNDGLGNAFD GPGGALAHAF LPRRGEAHFD QDERWSLSRR RGRNLFVLA HEIGHTLGLT HSPAPRALMA PYYKRLGRDA LLSWDDVLAV QSLYGKPLGG SVAVQLPGKL</p>

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FTDFETWDSY SPQGRRPETQ GPKYCHSSFD AITVDRQQQL YIFKGSWFWE
 VAADGNVSEP RPLQERWVGL PPNIEAAVS LNDGDFYFFK GGRCWRFRGP
 KPVWGLPQLC RAGGLPRHPD AALFFPPLRR LILFKGARYY VLARGGLQVE
 PYYPRSLQDW GGIPPEVSGA LRPDGSIIIF 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 metalloproteinase 28 \[Homo sapiens \]](#)

Official Symbol MMP28

Synonyms MMP28; matrix metalloproteinase 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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