

Recombinant human MMP-28 protein

Catalog Number: ATGP2546

PRODUCT INFORMATION

Expression system

E.coli

Domain

123-520aa

UniProt No.

Q9H239

NCBI Accession No.

NP_077278

Alternative Names

Matrix metalloproteinase 28, EPILYSIN, MM28, MMP-28, MMP25

PRODUCT SPECIFICATION

Molecular Weight

47.3 kDa (421aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

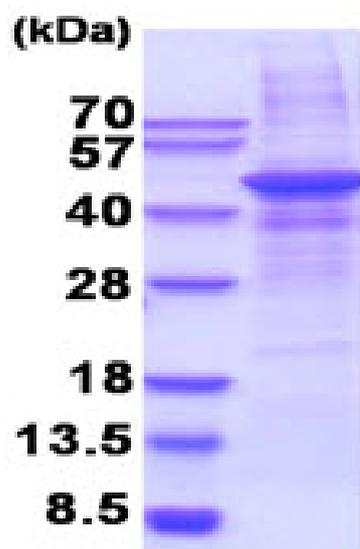
MGSSHHHHHH SSSLVPRGSH MGSFAKQGNK WYKQHLSYRL VNWPEHLPEP AVRGAVRAAF QLWSNVSALE
FWEAPATGPA DIRLTFQGD HNDGLGNAFD GPGGALAHAF LPRRGEAHFD QDERWLSRR RGRNLFVLA HEIGHTLGLT
HSPAPRALMA PYYKRLGRDA LLSWDDVLAV QSLYGKPLGG SVAVQLPGKL FDFETWDSY SPQGRRPETQ GPKYCHSSF
AITVDRQQQL YIFKGSFWE VAADGNVSEP RPLQERWVGL PPNIEAAVS LNDGDFYFFK GGRCWRFRGP KPVWGLPQLC
RAGGLPRHPD AALFFPLRR LILFKGARYY VLARGGLQVE PYYPRSLQDW GGPIEEVSGA LPRPDGSIIF FRDDRYWRDL
QAKLQATTSG RWATELPWMG CWHANSGSAL F

General References

Marchenko G.N., et al. (2001) Gene. 265:87-93
Lohi J., et al. (2001) J. Biol. Chem. 276:10134-10144

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)