

MMP28,123-520aa, Human, His tag, E.coli

Cat.NO.: TP02996

3th Edition

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

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 Weight:47.3 kDa (421aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSFAKQGNKWKYQHLSYRLVNWPEHLPEPAVRGAVRAAFQLWSNVSALEFW
EAPATGPADIRLTFFQGDHNDGLGNAFDGPGGALAHAFLLPRRGEAHFDQDERWLSRRRGRNLFVVLAEIGHTL
GLTHSPAPRALMAPYYKRLGRDALLSWDDVLAVQSLYGKPLGGSVAVQLPGKLFDFETWDSYSPQGRRPETQG
PKYCHSSFDAITVDRQQQLYIFKGSHFWEVAADGNVSEPRPLQERWVGLPPNIEAAAVSLNDGDFYFFKGGRCWR
FRGPKPVWGLPQLCRAGGLPRHPDAALFFPPLRRLILFKGARYYVLARGGLQVEPYPRSLQDWGGIPEEVSGAL
PRPDGSIIFRDDRWDRLDQAKLQATTSGRWATELPWMGCWHANSGSALF

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.