

ARG70451

Human MMP7 recombinant protein (Proenzyme) (His-tagged, C-ter)

Package: 100 µg, 20 µg

Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (C-ter) Human MMP7 recombinant protein
Tested Application	SDS-PAGE
Target Name	MMP7
Species	Human
A.A. Sequence	Met1 - Lys276
Expression System	E. coli
Alternate Names	MMP7; Matrix Metalloproteinase 7; Matrilysin; PUMP-1; MPSL1; Matrix Metalloproteinase 7 (Matrilysin, Uterine); Matrix Metalloproteinase-7; Uterine Metalloproteinase; Pump-1 Protease; Matrin; MMP-7

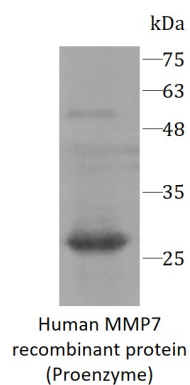
Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	MMP7
Gene Full Name	Matrix Metalloproteinase 7
Background	This gene encodes a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this 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. The encoded preproprotein is proteolytically processed to generate the mature protease. This secreted protease breaks down proteoglycans, fibronectin, elastin and casein and differs from most MMP family members in that it lacks a conserved C-terminal hemopexin domain. The enzyme is involved in wound healing, and studies in mice suggest that it regulates the activity of defensins in intestinal mucosa. The gene is part of a cluster of MMP genes on chromosome 11. This gene exhibits elevated expression levels in multiple human cancers.
Function	Degrades casein, gelatins of types I, III, IV, and V, and fibronectin. Activates procollagenase.
PTM	Zymogen

Images



ARG70451 Human MMP7 recombinant protein (Proenzyme) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70451 Human MMP7 recombinant protein (Proenzyme) (His-tagged, C-ter)