

ARG70279 Human MMP3 recombinant protein (His-tagged, C-ter)

Package: 50 µg
Store at: -20°C

Summary

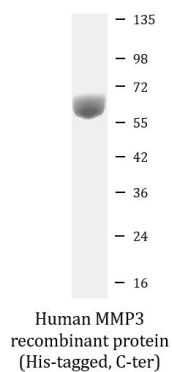
Product Description	HEK293 expressed, His-tagged (C-ter) Human MMP3 recombinant protein.
Tested Reactivity	Hu
Tested Application	SDS-PAGE
Target Name	MMP3
Species	Human
A.A. Sequence	Tyr18 - Cys477 of Human MMP3 (NP_002413.1) with 6X His tag at the C - terminus.
Expression System	HEK293
Alternate Names	Transin-1; CHDS6; EC 3.4.24.17; SL-1; STMY1; Matrix metalloproteinase-3; STR1; STMY; MMP-3; Stromelysin-1

Properties

Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is 90% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. 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	MMP3
Gene Full Name	matrix metalloproteinase 3
Background	Proteins of the matrix metalloproteinase (MMP) 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. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008]
Function	Can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. Activates procollagenase. [UniProt]
Calculated Mw	54 kDa
Cellular Localization	Secreted, extracellular space, extracellular matrix. [UniProt]



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SDS-PAGE image

SDS-PAGE analysis of ARG70279 Human MMP3 recombinant protein
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