

Recombinant Human MMP-3 Protein, His tag

产品信息

产品名称	产品编号	规格
Recombinant Human MMP-3 Protein, His tag	92598ES10	10 µg
	92598ES60	100 µg
	92598ES76	500 µg

产品简介

Matrix metalloproteinases are a family of zinc and calcium dependent endopeptidases with the combined ability to degrade all the components of the extracellular matrix. MMP-3 (stromelysin-1), can degrade a broad range of substrates including collagen alpha chains, aggrecan, laminin, fibronectin, elastin, casein, alpha -1 antitrypsin, myelin basic protein, IL-1 beta, IGFBP-3, pro MMP-1, pro MMP-7, pro MMP-8, pro MMP-9 and pro MMP-13. The MMP-3 substrate repertoire extends beyond extracellular matrix proteins and implicates MMP-3 in roles other than direct tissue remodelling, for instance, enzyme cascades and cytokine regulation.

性能参数

Synonyms	Matrix Metalloproteinase-3, Stromelysin-1, SL-1, Transin-1
Uniprot No.	P08254
Source	Recombinant Human MMP-3 Protein is expressed from E.coli with His tag at the C-terminal. It contains Arg101-Cys477.
Molecular Weight	Approximately 42.8 kDa.
Purity	> 95% as determined by SDS-PAGE.
Endotoxin	<1 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge tubes before opening. The concentration of protein solution used for lyophilization is generally 1mg/mL. Dissolve lyophilized protein with sterile water to ensure the concentration is greater than 100 ug/mL.

储存条件

The product should be stored at -25~-15°C for 1 year from date of receipt.

2-7 days, 2~8 °C under sterile conditions after reconstitution.

3 months, -25~-15°C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

注意事项

1. Please operate with lab coats and disposable gloves, for your safety.
2. This product is for research use only.

产品数据

SDS-PAGE

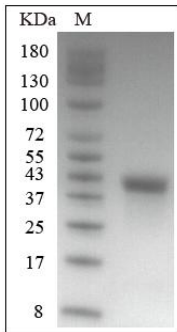


Figure 1. Human MMP-3 Protein on SDS-PAGE under reduced condition. The purity is greater than 95%.

Bioactivity-Cell based assay

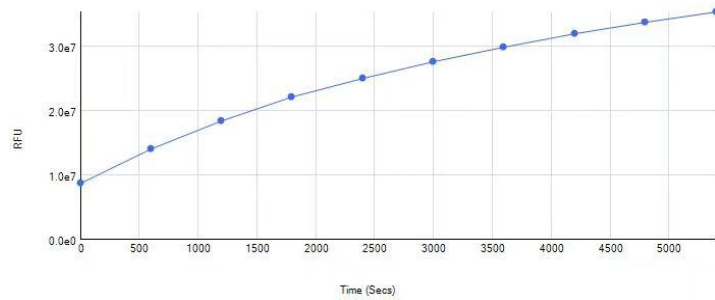


Figure 2. Measured by its ability to cleave the fluorogenic peptide substrate, The specific activity is >7510.8 nmol/min/mg.