
Product Data Sheet

Product Name: MMP 3 Human, GST
 Cat. No.: GP21935
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Stromelysin-1; EC 3.4.24.17; Matrix metalloproteinase-3; MMP-3; Transin-1; SL-1; STMY; STR1; STMY1; MGC126102; MGC126103; MGC126104.		
Formulation	MMP-3 is supplied in 50mM Tris-Acetate, pH-7.5, 1mM EDTA and 20% Glycerol.		

Introduction

MMP-3 enzyme is also known as Stromelysin-1 or as Transin-1 which hydrolyzes natural collagen at physiological pH and temperature. It dissolves the intervertebral nucleus pulposus and annulus fibrosus of Herniated Lumbar Intervertebral Disk. MMP-3 hydrolyzes components of the extracellular matrix like proteoglycan, laminin, fibronectin, gelatin and collagen types III, IV and IX. It also activates pro-MMP-9 and pro-MMP-8 and superactivates plasmin activated MMP-1. MMP-3 is secreted as a latent proenzyme and is activated by a variety of proteinases, e.g. plasmin, trypsin, chymotrypsin, cathepsin G or human neutrophil elastase. MMP-3 was found to be capable of activating the precursor of IL1-beta.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

Background

MMP-3 Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain fused to a GST tag containing 228 amino acids (251-478) and having a total molecular mass of 51kDa. MMP-3 is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA