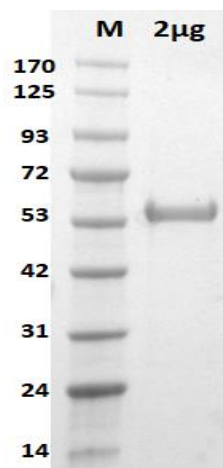


Human CellExp™ MMP-13, Human Recombinant

CATALOG NO:	P1566-10 10 µg
ALTERNATE NAMES:	Collagenase 3, Matrix metalloproteinase-13, CLG 3, CLG3EC, EC 3.4.24.22
MOL. WT.	53 kDa (6xHis tag at the C-terminus)
SOURCE:	HEK 293 cells
PURITY:	>95% SDS - PAGE
FORM:	Lyophilized
FORMULATION:	Lyophilized from 0.22 µm filtered PBS (pH 7.4) with 5% trehalose
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in sterile PBS (pH 7.4). Do not vortex.
STORAGE CONDITIONS:	Store at -20°C. Once reconstituted, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
DESCRIPTION:	MMP-13 or collagenase 3 is an endopeptidase that is part of the calcium and zinc dependent matrix metalloproteinase family. Like most MMPs, it is secreted as an inactive pro-form and is activated once its pro-domain is cleaved. Additionally, MMP-13 is expressed by fibroblasts, chondrocytes, and squamous epithelial cells. MMP-13 (Collagenase-3) has been demonstrated to degrade a range of extracellular matrix proteins, including collagen types I, II, III, IV, IX, X and XIV, gelatin, aggrecan, perlecan and fibronectin. Furthermore, it is 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.
AMINO ACID SEQUENCE:	Leu 20 – Cys 471



SDS-PAGE (4-20%) of Recombinant MMP-13: 2 µg of human recombinant MMP-13 is loaded under reducing (R) condition and stained with Coomassie Blue

RELATED PRODUCTS:

- Human CellExp™ MMP-9, human recombinant (7246)
- MMP-13, Catalytic Domain, Human Recombinant (P1230)
- MMP-1 Inhibitor Screening Kit (Fluorometric) (K794)
- MMP-9, human recombinant (7789)
- MMP-2 Inhibitor Screening Kit (Fluorometric) (K2017)
- MMP-2 (Human) ELISA Kit (E4723)

FOR RESEARCH USE ONLY! Not to be used on humans.