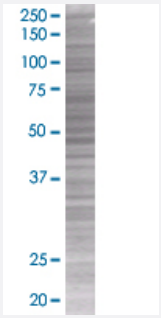
MMP13 293T Cell Transient Overexpression Lysate(Denatured)

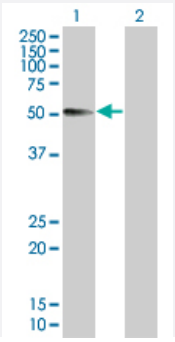
Catalog # H00004322-T01 Size 100 uL

Applications



SDS-PAGE Gel

MMP13 transfected lysate



Western Blot

Lane 1: MMP13 transfected lysate (53.8 KDa).
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-MMP13 full-length
Host	Human
Theoretical MW (kDa)	53.8
Interspecies Antigen Sequence	Mouse (87); Rat (86)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-MMP13 antibody (H00004322-B01) by Western Blots. SDS-PAGE Gel MMP13 transfected lysate Western Blot Lane 1: MMP13 transfected lysate (53.8 KDa). Lane 2: Non-transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — MMP13

Entrez GeneID	4322
GeneBank Accession#	NM_002427
Protein Accession#	NP_002418
Gene Name	MMP13
Gene Alias	CLG3
Gene Description	matrix metallopeptidase 13 (collagenase 3)
Omim ID	600108 602111
Gene Ontology	Hyperlink
Gene Summary	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. The protein encoded by this gene cleaves type II collagen more efficiently than types I and III. It may be involved in articular cartilage turnover and cartilage pathophysiology associated with osteoarthritis. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq
Other Designations	collagenase 3|matrix metalloproteinase 13|matrix metalloproteinase 13 (collagenase 3)

Disease

- Adenocarcinoma
- Alveolar Bone Loss
- Aortic Aneurysm
- Arteriosclerosis
- Arthritis
- Atherosclerosis
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Chorioamnionitis
- Chronic Periodontitis
- Cleft Lip
- Cleft Palate
- Coronary Artery Disease
- Diabetes Mellitus
- Disease Progression
- Edema
- Endometriosis
- Esophageal Neoplasms
- Fetal Membranes
- Genetic Predisposition to Disease
- Gingival Hemorrhage
- Heart Neoplasms
- Hepatitis C

- Intervertebral Disk Displacement
- Liver Cirrhosis
- Lung Neoplasms
- Mouth Neoplasms
- Mucocutaneous Lymph Node Syndrome
- Nasopharyngeal Neoplasms
- Neoplasms
- Obstetric Labor
- Osteomyelitis
- Ovarian cancer
- Ovarian Neoplasms
- Periodontal Attachment Loss
- Pre-Eclampsia
- Premature Birth
- Stomach Neoplasms