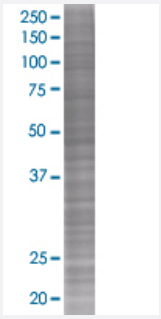
MMP8 293T Cell Transient Overexpression Lysate(Denatured)

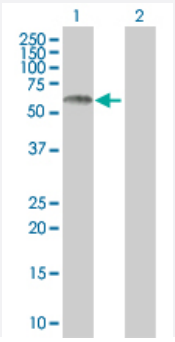
Catalog # H00004317-T01 Size 100 uL

Applications



SDS-PAGE Gel

MMP8 transfected lysate



Western Blot

Lane 1: MMP8 transfected lysate (53.4 KDa).
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-MMP8 full-length
Host	Human
Theoretical MW (kDa)	53.4
Interspecies Antigen Sequence	Mouse (74); Rat (72)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-MMP8 antibody (H00004317-B01) by Western Blots. SDS-PAGE Gel MMP8 transfected lysate Western Blot Lane 1: MMP8 transfected lysate (53.4 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 — MMP8

Entrez GeneID	4317
GeneBank Accession#	NM_002424
Protein Accession#	NP_002415
Gene Name	MMP8
Gene Alias	CLG1, HNC, PMNL-CL
Gene Description	matrix metallopeptidase 8 (neutrophil collagenase)
Omim ID	120355
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. However, the enzyme encoded by this gene is stored in secondary granules within neutrophils and is activated by autolytic cleavage. Its function is degradation of type I, II and III collagens. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq
Other Designations	PMNL collagenase|matrix metalloproteinase 8|matrix metalloproteinase 8 (neutrophil collagenase)|neutrophil collagenase

Disease

- Breast cancer
- Breast Neoplasms
- Bronchiectasis
- Carcinoma
- Cardiovascular Diseases
- Chorioamnionitis
- Connective Tissue Diseases
- Coronary Artery Disease
- Diabetes Mellitus
- Disease Progression
- Edema
- Fetal Diseases
- Fetal Membranes
- Genetic Predisposition to Disease
- Hepatitis C
- Infection
- Inflammation
- Intervertebral Disk Displacement
- Liver Cirrhosis
- Liver Neoplasms
- Lung Neoplasms
- Lymphatic Metastasis
- Malignant melanoma
- Melanoma

- Mouth Neoplasms
- Musculoskeletal Diseases
- Neoplasm Invasiveness
- Obstetric Labor
- Oral Submucous Fibrosis
- Precancerous Conditions
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Skin Diseases
- Skin Neoplasms
- Stomach Neoplasms
- Urinary Bladder Neoplasms