

Recombinant Human MMP2

Cat No:HR2R1758

For research use only

Overview

Quantity	100 µg
Gene Symbol	MMP2
Gene ID	4313
Accession	P08253
Alternative Name	MMP-2, 72 kDa type IV collagenase, 72 kDa gelatinase, Gelatinase A, TBE-1 Recombinant Human Matrix Metalloproteinase-2 (MMP2)
Species	Human
Source	E. coli
Description	MMP-2 belongs to a family of endoproteases which need calcium and zinc in order to exert their catalytic capability (extracellular matrix remodeling). The elevated expression of these enzymes has been linked to many degenerative disorders, such as arthritis, cancer metastasis and skeletal growth-plate disorders. It has been shown that MMP-2 associates with many connective tissue cells as well as neutrophils, macrophages and monocytes.
Functions	The ED(50) was determined by the dose-dependent proliferation of immortalized human pulmonary fibroblasts cells and was found to be <0.05ng/mL.
Formulation	Supplied as a 0.2 µm filtered solution in Tris, CaCl ₂ , NaCl and Brij®35
Solubility	N.A.
Appearance	Lyophilized Powder
Molecular Weight	62
Purity	>95% as determined by SDS-PAGE
Concentration	< 1.0 EU/µg of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2° - 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.