

Human MMP1 Recombinant Protein



RPPB1952

Product Information Protein Information

Product SKU:

RPPB1952

Accession:

P03956

Host:

Sf9, Baculovirus cells.

Protein description:

MMP1 Human Recombinant produced in Sf9 Baculovirus cells is a single, non-glycosylated polypeptide chain containing 460 amino acids (18-469a.a) and having a molecular mass of 53.1kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). MMP1 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Matrix Metalloproteinase 1, Interstitial Collagenase, Fibroblast Collagenase, EC 3.4.24.7, CLG, Matrix Metalloproteinase 1 (Interstitial Collagenase), Matrix Metalloproteinase 1 (Interstitial Collagenase), Matrix Metalloproteinase 1, Matrix Metalloproteinase-1, Matrix Metalloprotease 1, EC 3.4.24, MMP-1, CLGN, Fibroblast collagenase, Matrix metalloproteinase-1, MMP-1.

Formulation:

MMP1 protein solution (0.25mg/ml) containing 20mM MES buffer (pH 5.5), 10mM CaCl₂, 100 mM NaCl, 0.05% Brij35 and 30% glycerol.

Purity:

Greater than 95% as determined by SDS-PAGE.

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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

HSFPATLETQ EQDVDLVQKY LEKYNNLKNL GRQVEKRRNS GPVVEKLLQM QEFFGLKVTG KPDAETLKVM
KQPRCGVPDV AQFVLTEGNP RWEQTHLYR IENYTPDLPR ADVDHAIKA FQLWSNVTPL TFTKVSQQA
DIMISFVRGD HRDNSPFDGP GGNLAHAFQP GPGIGGDAH DEDERWTNNF REYNLHRVAA HELGHSLGLS
HSTDIGALMY PSYTFSGDVQ LAQDDIDGIQ AIYGRSQNPV QPIGPQTPKA CDSKLTFDI TTIRGEVMFF
KDRFYMRTNP FYPEVELNFI SVFWPQLPNG LEAAYEFADR DEVRFFKGNK YWAVQQQNVL HGYPKDIYSS
FGFPRTVKHI DAALSEENTG KTYFFVANKY WRYDEYKRSM DPGYPKMAH DFPGIGHKVD AVFMKDGFFY
FFHGTRQYKF DPKTKRILTL QKANSWFNCR KNLEHHHHHHH.