

32-2558: MMP10 Recombinant Protein

Alternative Name : SL-2,STMY2,Stromelysin-2,Matrix metalloproteinase-10,MMP-10,Transin-2,MMP10.

Description

Source : Escherichia Coli. MMP10 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 401 amino acids (99-476a.a) and having a molecular mass of 45.4kDa. MMP10 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. MMP10 (Matrix Metalloproteinase 10) which is a part of the matrix metalloproteinase (MMP) is activating procollagenase. MMP10 is part of a cluster of MMP genes which localize to chromosome 11q22.3. MMP10 takes part in the breakdown of extracellular matrix in normal physiological processes, like embryonic development, reproduction, and tissue remodeling, as also in disease processes, such as arthritis and metastasis. The majority MMP's are secreted as inactive proproteins that are activated when cleaved by extracellular proteinases. MMP10 encodes an enzyme which degrades proteoglycans and fibronectin.

Product Info

Amount :	25 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The MMP10 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.
Storage condition :	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 :	MGSSHHHHHH SGLVPRGSH MGSFSSFGM PKWRKTHLTY RIVNYTPDLP RDAVDSAIEK ALKVWEEVTP LTF SRLYEGE ADIMISFAVK EHGDFYSFDG PGHSLAHAYP PGPGLYGDIIH FDDDEKWTE ASGTNLFLVA AHELGHSLGL FHSANTEALM YPLYNSFTEL AQFRLSQDDV NGIQSLYGPP PASTEEPLVP TKSVPSGSEM PAKCDPALSF DAISTLRGEY LFFKDRYFWR RSHWNPEPEF HLISAFWPSL PSYLDAAYEV NSRDTVFIFK GNEFWAIRGN EVQAGYPRGI HTLGFPTIR KIDAAVSDKE KKKTYFFAAD KYWRFDENSQ SMEQGFPRLI ADDFPGVPEK VDAVLQAFGF FYFFSGSSQF EFDPNARMVT HILKSNSWLH C.