

Recombinant Human MMP23B, His-tagged

Cat. No. MMP23B-167H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MMP23B, 79-254aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	79-254aa
Description	MMP23B is a member of the matrix metalloproteinase (MMP) family, and it is part of a duplicated region of chromosome 1p36.3. 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. Recombinant human MMP23B protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	22.6 kDa (199aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSYTLTPAR LRWDHFNLT Y RILSFPRNLL SPRETRRALA AAFRMWSDVS PFSFREVAPE QPSDLRIGFY PINHTDCLVS ALHHCDFGPT GELAHAFPP HGGIHFDDSE YWVLGPTRY S WKKGVWLTDL VHVAHEIGH ALGLMHSQHG RALMHLNATL RGWKALSQDE LWGLHRLYG

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Purity	>85% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	MMP23B matrix metalloproteinase 23B [Homo sapiens]
Official Symbol	MMP23B
Synonyms	MMP23B; matrix metalloproteinase 23B; matrix metalloproteinase 23B , MMP22; matrix metalloproteinase-23; femalysin; matrix metalloproteinase 22; matrix metalloproteinase in the female reproductive tract; MIFR; MIFR 1; MMP-21; MMP-22; MMP-23; matrix metalloproteinase-21; matrix metalloproteinase-22; matrix metalloproteinase 23B; MMP22; MIFR-1; MMP23A;
Gene ID	8510
mRNA Refseq	NM_006983
Protein Refseq	NP_008914
MIM	603321
UniProt ID	O75900
Chromosome Location	1p36.3

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Pathway	Matrix Metalloproteinases, organism-specific biosystem;
Function	metal ion binding; metalloendopeptidase activity; metalloendopeptidase activity; metalloendopeptidase activity; metallopeptidase activity; peptidase activity; zinc ion binding; zinc ion binding;