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## Product Data Sheet

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Product Name: MMP23B Human  
 Cat. No.: GP21948  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Matrix Metallopeptidase 23B; MMP23B; MMP22; Matrix Metalloproteinase 23B; Matrix Metalloproteinase 22; Matrix Metalloproteinase In The Female Reproductive Tract; Matrix Metalloproteinase-21; Matrix Metalloproteinase-22; MIFR-1; MMP-21; MMP-22; MMP-23; MIFR; MMP23A; Matrix Metalloproteinase-23; EC 3.4.24.-; Femalysin; MMP21.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSYTLTPAR LRWDHFNLT Y RILSFPRNLL SPRETRRALA AAFRMWSDVS PFSFREVAPE QPSDLRIGFY PINHTDCLVS ALHHCDFDGPT GELAHAFPP HGGIHFDDSE YWVLGPTRY S WKKGVWLTDL VHVAHEIGH ALGLMHSQH RALMHLNATL RGWKALSQDE LWGLHRLYG.		
Formulation	The MMP23B solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

### Introduction

Matrix Metallopeptidase 23B (MMP23B) belongs to the matrix metalloproteinase (MMP) family, and it is section of a duplicated region of chromosome 1p36.3. MMP23B is a protease. MMP23B regulates the surface expression of some potassium channels by holding them in the endoplasmic reticulum. Members 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.

### 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

MMP23B Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 199 amino acids (79-254) and having a molecular mass of 22.6kDa. MMP23B is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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