



Recombinant Human MMP1 Protein Product Manual

1. Product Basic Information

Product No.: REP07469

Protein Name: Fibroblast Collagenase (MMP1)

Aliases: fibroblast collagenase; interstitial collagenase

UniProt ID: P03956

UniProt Link: <https://www.uniprot.org/uniprotkb/P03956/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (101-469aa)

Molecular Weight: 46.5kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (101-469aa)

VLTEGNPRWEQTHLT YRIENYTPDLPRADV DHAIEKAFQLWSNV TPLTFTKVSEGG
ADIMISFVRGDHRD NSPFDGPGGNLAH AFQPGPGIGGDA HFDEDERWTNN FREYN
LHRVAAHELGHSL GLSHSTDIGALM YPSYTFSGDVQL AQDDIDGIQAIYGR SQNPVQ
PIGPQTPKACDSKL TFDAITTIRGEVM FFKDRFYMR TNPFYPEVELNFIS VFWPQLPN
GLEAAYEFADRDEVR FFKGNKYWAVQGQ NVLHGYPKDIYSS FGFPRTVKHIDA ALS
EENTGKTYFFVANKY WRYDEYKRSM DPGYPKMI AHDFPGIGHKVD AVFMKDGFFY
FFHGTRQYKFDPKTK RILTLQKANSWFN CRKN

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions



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Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human MMP1 partial protein (101-469aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. MMP1, also known as fibroblast collagenase or interstitial collagenase, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.