



Recombinant Human MMP14

Protein Product Manual

1. Product Basic Information

Product No.: REP07473

Protein Name: Mt-Mmp Matrix Metalloproteinase 14 (MMP14)

Aliases: MMP-14; MMP-X1; MT-MMP; MT1MMP; MTMMP1; WNCHRS; MT1-MMP; MT-MMP matrix metalloproteinase 14; matrix metalloproteinase-14; membrane type 1 metalloproteinase; membrane-type-1 matrix metalloproteinase; matr...

UniProt ID: P50281

UniProt Link: <https://www.uniprot.org/uniprotkb/P50281/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (112-582aa)

Molecular Weight: 69.9kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (112-582aa)

YAIQGLKWQHNEITFCIQNYTPKVGEYATYEAIRKAFRVWESATPLRFREVPYAYIRE
GHEKQADIMIFFAEGFHGDSTPFDGEGGFLAHAYFPGPNIGGDTHFDSAEPWTVRN
EDLNGNDIFLVAVHELGHALGLEHSSDPSAIMAPFYQWMDTENFVLPDDDRRGIQQ
LYGGESGFPTKMPPQPRRTTSRPSVPDKPKNPTYGPNICDGNFDTVAMLRGEMFVF
KERWFWRVRRNNQVMDGYPMPIGQFWRGLPASINTAYERKDGKFVFFKGDKHWWF
DEASLEPGYPKHIELGRGLPTDKIDAALFWMPNGKTYFFRGNKYYRFNEELRAVD
SEYPKNIKVWEGIPESPRGSFMGSDEVFTYFYKGNKYWKFNQKLKVEPGYPKSA
LRDWMGCPSGGRPDEGTEEEETEVIIEVDEEGGAVSAAAVLPLVLLLLVLAVGLA
VFFFRRHGTPRRLLYCQRSLLDKV

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

4. Storage Conditions

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 MMP14 full length of mature protein protein (112-582aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. MMP14, also known as MMP-14 or MMP-X1 or MT-MMP, 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.