



Recombinant Mouse MMP20 Protein Product Manual

1. Product Basic Information

Product No.: REP07476

Protein Name: Enamel Metalloproteinase (MMP20)

Aliases: AI2A2; MMP-20; enamel metalloproteinase; matrix metalloproteinase 20; matrix metalloproteinase-20; matrix metalloproteinase 20 (enamelysin)

UniProt ID: O60882

UniProt Link: <https://www.uniprot.org/uniprotkb/O60882/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (107-482aa)

Molecular Weight: 49.7 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (107-482aa)

YRLFPGEPKWKKNILTYRISKYTPSMSPTVEVDKAIQMALHAWSTAVPLNFVRINSGE
ADIMISFETGDHGDSPFDGPRGTLAHAFAPGEGGLGGDTHFDNAEKWTMGNGFN
LFTVAAHEFGHALGLGHSTDPALMYPTYKYQNPYRFHLPKDDVKGIQALYGPRKIF
PGKPTMPHIPPHKPSIPDLCDSSSSFDAVTMLGKELLFFKDRIFWRRQVHLPTGIRP
STITSSFPQLMSNVDAAYEVAERGIAFFFKGPHYWVTRGFHMQGPPRTIYDFGFPR
HVQRIDAAVYLKEPQKTLFFVGEEYYSYDERKKKMEKDYPKNTTEEFSGVSGHIDA
AVELNGYIYFFSGRKTFKYDTEKEDVSVVKSSSWIGC

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

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 Mouse MMP20 full length of mature protein protein (107-482aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. MMP20, also known as AI2A2 or MMP-20 or enamel metalloproteinase, 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.