

Recombinant Mouse SERPINA5 Protein Product Manual

1. Product Basic Information

Product No.: REP08203

Protein Name: Protein C Inhibitor (SERPINA5)

Aliases: PCI; PAI3; PAI-PCI-PROCI; PLANH3; protein C inhibitor; plasminogen activator inhibitor III

UniProt ID: P05154

UniProt Link: <https://www.uniprot.org/uniprotkb/P05154/entry>

Species Source: Mus musculus (Mouse)

Expression System: Baculovirus

Protein Length: Full Length of Mature Protein (25-405aa)

Molecular Weight: 45.3 kDa

Protein Tag: N-terminal 10xHis-tagged

2. Amino Acid Sequence (25-405aa)

SKKKKAKESSVGAVGPPSSKDFAFRLYRALVSESPGQNVFFSPLSVSMSLGMLSLG
AGLKTKTQILDGLGLSLQQGQEDKLHKGFFQQLLQRFQPSDGLQLSLGSALFKDPA
VHIRDDFLSAMKTLYMSDTFSTNFGNPEIAKKQINNYVAKQTKGKIVDFIKDLSTHV
MIVVNYIFFKAKWQTAFSETNTHKMDFHVTPKRTTQVPMMNREDGYSYYLDQNISC
TVVGIPYQGNAIALFILPSEGKMKQVEDGLDERTLRNWLKMFTKRRLDLYLPKFSIEA
TYKLENVLPKLGIQDVFTTHADLSGITDHTNIKLSEMVHKSMMEEVEESGTTAAAITGA
IFTRSARPSSLKIEFTRPFLTLMEDSHILFVGKVTRP

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

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



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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 SERPINA5 full length of mature protein protein (25-405aa) expressed in Baculovirus. The protein is with 10xHis tag at the N-terminus, which facilitates protein purification, detection and identification. SERPINA5, also known as PCI or PAI3 or PAI-PCI-PROCI, 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.