

Recombinant Human SERPINB10 Protein Product Manual

1. Product Basic Information

Product No.: REP08206

Protein Name: Serpin B10 (SERPINB10)

Aliases: PI10; PI-10; bomapin; serpin B10; peptidase inhibitor 10; serpin family B member 10; protease inhibitor 10 (ovalbumin type); protease inhibitor 10 (ovalbumin type, bomapin)

UniProt ID: P48595

UniProt Link: <https://www.uniprot.org/uniprotkb/P48595/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length (1-397aa)

Molecular Weight: 58.5 kDa

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

2. Amino Acid Sequence (1-397aa)

MDSLATSINQFALELSKKLAESAQGKNIFFSSWSISTSLTIVYLGAKGTTAAQMAQVL
QFNRDQGVKCDPESEKKRKMFEFNLSNSEEIHSDFQTLISEILKPNDYLLKTANAIY
GEKTYAFHNKYLEDMKTYFGAEPQPVNFVEASDQIRKDINSWVERQTEGKIQNLLP
DDSVDSTTRMILVNALYFKGIWEHQFLVQNTTEKPFRI NETTSKPVQMMFMKKLHI
FHIEKPKAVGLQLYYKSRDLSLLILLPEDINGLEQLEKAITYEKLNEWTSADMMELYE
VQLHLPKFKLEDSYDLKSTLSSMGMSDAFSQSKADFSGMSSARNLFLSNVFKAFV
EINEQGTEAAAGSGSEIDIRIRVPSIEFNANHPFLFFIRHNKTNTILFYGRLCSP

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 Human SERPINB10 full length protein (1-397aa) expressed in Yeast. The protein is with 6xHis-sumostar tag at the N-terminus, which facilitates protein purification, detection and identification. SERPINB10, also known as PI10 or PI-10 or bomapin, 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.