

# Recombinant Human Serpinb2 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08208

**Protein Name:** Serpin B2 (Serpib2)

**Aliases:** PAI; PAI2; PAI-PLANH2; HsT1201; serpin B2; monocyte Arg-serpin; urokinase inhibitor

**UniProt ID:** P29524

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P29524/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** Mammalian cell

**Protein Length:** Full Length (1-415aa)

**Molecular Weight:** 50.1 kDa

**Protein Tag:** N-terminal 10xHis-tagged

## 2. Amino Acid Sequence (1-415aa)

MEDLCVANTL FALNLFKHLAKASPTQNLFLSPWSISSTMAMVYMGSRGSTEDQMA  
KVLQFNEVGANAVTPMTPENFTSCGFMQQIQKGSYPDAILQAQAADKIHSSFRSLS  
SAINASTGNYLLESVNKLFGEKSASFREYIIRLCQKYYSSEPQAVDFLECAEEARKKI  
NSWVKTKGKIPNLLPEGSVDGDRMVLVNAVYFKGKWKTPFEKKLNGLYPFRV  
NSAQRTPVQMMYLREKLNIGYIEDLKAQILELPYAGDVSMFLLLPDEIADVSTGLELL  
ESEITYDKLNKWT SKDKMAEDEVEVYIPQFKLEEHYELRSILRSMGMEDAFNKGRA  
NFGMSERNDLFLSEVFHQAMVDVNEEGTEAAAGTGGVMTGRTGHGGPQFVADH  
PFLFLIMHKITNCILFFGRFSSP

## 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



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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 Serpinb2 full length protein (1-415aa) expressed in Mammalian cell. The protein is with 10xHis tag at the N-terminus, which facilitates protein purification, detection and identification. Serpinb2, also known as PAI or PAI2 or PAI-PLANH2, 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.