

Datasheet for ABIN7559927

## SERPINB1B Protein (AA 1-382) (His tag)



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### Overview

Quantity:	1 mg
Target:	SERPINB1B
Protein Characteristics:	AA 1-382
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPINB1B protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Serpinb1b Protein expressed in mammalian cells.
Sequence:	<p>MEQLSSANTL FTLELFHTLK ESSPTGNIFF SPFSISSSLA MVFLGAKGST AAQLSKTLHF</p> <p>DSVEDIHSCF QSLTAEVSKL GASHTLKLAN RLYGEKTYNF LPEFLASTQK MYSADLAAVD</p> <p>FQHASEDARK EINQWVKGQT EGKIPPELLAK GVVDGMTKLK LVNAIYFKGI WEEQFMTRET</p> <p>INAPFRLNKK DTKTVKMMYQ KKKFPFGYIS DLKCKVLEMP YQGGELSMVI LLPEDIEDES</p> <p>TGLKKIEEQL TLGKLHEWTK HENLRNIDVH VKLPRFKMEE SYILNSNLCC LGVQDLFSSG</p> <p>KADLSGMSGSG RDLFVSKIVH KSFVDVNEQG TEAAAATGGI IQVLCEKMPT PQEVFTVDHP</p> <p>FLFFIRHNPT ANMIFFGRVC SP <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	SERPINB1B
Alternative Name:	Serpinb1b ( <a href="#">SERPINB1B Products</a> )
Background:	Leukocyte elastase inhibitor B (Serine protease inhibitor EIB) (Serpin B1b),FUNCTION: Regulates the activity of the neutrophil proteases. Forms only a stable complex with CTSG/Cathepsin G (PubMed:12189154). During inflammation, limits the activity of inflammatory caspases CASP1 and CASP4 by suppressing their caspase-recruitment domain (CARD) oligomerization and enzymatic activation (PubMed:30692621). {ECO:0000269 PubMed:12189154, ECO:0000269 PubMed:30692621}.
Molecular Weight:	42.9 kDa
UniProt:	<a href="#">Q8VHP7</a>

## Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

# Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months