

**SERBP1 Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP20793c****Specification**

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**SERBP1 Blocking Peptide (Center) - Product Information**Primary Accession [Q8NC51](#)**SERBP1 Blocking Peptide (Center) - Additional Information****Gene ID** 26135**Other Names**

Plasminogen activator inhibitor 1 RNA-binding protein, PAI1 RNA-binding protein 1, PAI-RBP1, SERPINE1 mRNA-binding protein 1, SERBP1, PAIRBP1

**Target/Specificity**

The synthetic peptide sequence is selected from aa 149-163 of HUMAN SERBP1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**SERBP1 Blocking Peptide (Center) - Protein Information****Name** SERBP1 {ECO:0000303|PubMed:36691768, ECO:0000312|HGNC:HGNC:17860}**Function**

Ribosome-binding protein that promotes ribosome hibernation, a process during which ribosomes are stabilized in an inactive state and preserved from proteasomal degradation (PubMed:<a href="http://www.uniprot.org/citations/36691768" target="\_blank">36691768</a>). Acts via its association with EEF2/eEF2 factor, sequestering EEF2/eEF2 at the A- site of the ribosome and promoting ribosome stabilization and storage in an inactive state (By similarity). May also play a role in the regulation of mRNA stability: binds to the 3'-most 134 nt of the SERPINE1/PAI1 mRNA, a region which confers cyclic nucleotide regulation of message decay (PubMed:<a href="http://www.uniprot.org/citations/11001948" target="\_blank">11001948</a>). Seems to play a role in PML-nuclear bodies formation (PubMed:<a href="http://www.uniprot.org/citations/28695742" target="\_blank">28695742</a>).

**Cellular Location**

Cytoplasm. Nucleus. Cytoplasm, perinuclear region

**Tissue Location**

Expressed at high level in the heart, skeletal muscle and kidney, and at low levels in placenta, liver and brain

**SERBP1 Blocking Peptide (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**SERBP1 Blocking Peptide (Center) - Images****SERBP1 Blocking Peptide (Center) - Background**

May play a role in the regulation of mRNA stability. Binds to the 3'-most 134 nt of the SERPINE1/PAI1 mRNA, a region which confers cyclic nucleotide regulation of message decay.

**SERBP1 Blocking Peptide (Center) - References**

Lai C.-H., et al. Genome Res. 10:703-713(2000).  
Wiemann S., et al. Genome Res. 11:422-435(2001).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.  
Gregory S.G., et al. Nature 441:315-321(2006).