

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

SERBP1 Blocking Peptide (Center) - Product InformationPrimary 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:36691768). 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:11001948). Seems to play a role in PML-nuclear bodies formation (PubMed:28695742).

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**

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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).