

**SOX7 Blocking Peptide (Center)**  
Synthetic peptide  
Catalog # BP21090a**Specification****SOX7 Blocking Peptide (Center) - Product Information**Primary Accession [Q9BT81](#)**SOX7 Blocking Peptide (Center) - Additional Information**

Gene ID 83595

**Other Names**

Transcription factor SOX-7, SOX7

**Target/Specificity**

The synthetic peptide sequence is selected from aa 224-238 of HUMAN SOX7

**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.

**SOX7 Blocking Peptide (Center) - Protein Information**

Name SOX7

**Function**

Binds to and activates the CDH5 promoter, hence plays a role in the transcriptional regulation of genes expressed in the hemogenic endothelium and blocks further differentiation into blood precursors (By similarity). May be required for the survival of both hematopoietic and endothelial

**SOX7 Blocking Peptide (Center) - Background**

Binds to and activates the CDH5 promoter, hence plays a role in the transcriptional regulation of genes expressed in the hemogenic endothelium and blocks further differentiation into blood precursors (By similarity). May be required for the survival of both hematopoietic and endothelial precursors during specification (By similarity). Competes with GATA4 for binding and activation of the FGF3 promoter (By similarity). Represses Wnt/beta-catenin-stimulated transcription, probably by targeting CTNNB1 to proteasomal degradation. Binds the DNA sequence 5'-ACAAT-3'.

**SOX7 Blocking Peptide (Center) - References**

Takash W., et al. Nucleic Acids Res. 29:4274-4283(2001).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Kalnina N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.  
Guo L., et al. Mol. Cancer Res. 6:1421-1430(2008).

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**Cellular Location**

Nucleus

{ECO:0000255|PROSITE-ProRule:PRU00267  
}. Cytoplasm

**Tissue Location**

Widely expressed in adult and fetal tissues. Present both in mesenchymal and epithelial cells in some adult tissues, including colon. Tends to be down-regulated in prostate adenocarcinomas and colorectal tumors due to promoter hypermethylation

**SOX7 Blocking Peptide (Center) -  
Protocols**

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

- [Blocking Peptides](#)