

SOX7 Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP21030c**Specification**

SOX7 Blocking Peptide (C-term) - Product Information

Primary Accession [O9BT81](#)
Other Accession [P40646](#)

SOX7 Blocking Peptide (C-term) - Additional Information

Gene ID 83595

Other Names

Transcription factor SOX-7, SOX7

Target/Specificity

The synthetic peptide sequence is selected from aa 319-333 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 (C-term) - 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 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'-AACAAAT-3'.

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 (C-term) - Protocols

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

- [Blocking Peptides](#)

SOX7 Blocking Peptide (C-term) - Images

SOX7 Blocking Peptide (C-term) - 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'- AACAAAT-3'.

SOX7 Blocking Peptide (C-term) - References

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