

**T Blocking Peptide (N-term)**  
**Synthetic peptide**  
**Catalog # BP20187A****Specification**

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**T Blocking Peptide (N-term) - Product Information**

Primary Accession [O15178](#)  
Other Accession [P20293](#), [P79777](#), [NP\\_003172.1](#)

**T Blocking Peptide (N-term) - Additional Information**

**Gene ID** 6862

**Other Names**

Brachyury protein, Protein T, T

**Target/Specificity**

The synthetic peptide sequence is selected from aa 30-43 of HUMAN T

**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.

**T Blocking Peptide (N-term) - Protein Information**

**Name** TBXT ([HGNC:11515](#))

**Synonyms** T**Function**

Involved in the transcriptional regulation of genes required for mesoderm formation and differentiation. Binds to a palindromic T site 5'-TTCACACCTAGGTGTGAA-3' DNA sequence and activates gene transcription when bound to such a site.

**Cellular Location**

Nucleus

**Tissue Location**

Detected in testis, but not in other, normal tissues. Detected in lung tumors (at protein level)

## **T Blocking Peptide (N-term) - Protocols**

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

- [Blocking Peptides](#)

## **T Blocking Peptide (N-term) - Images**

## **T Blocking Peptide (N-term) - Background**

The protein encoded by this gene is an embryonic nuclear transcription factor that binds to a specific DNA element, the palindromic T-site. It binds through a region in its N-terminus, called the T-box, and effects transcription of genes required for mesoderm formation and differentiation. The protein is localized to notochord-derived cells.

## **T Blocking Peptide (N-term) - References**

Jambhekar, N.A., et al. Arch. Pathol. Lab. Med. 134(8):1181-1187(2010)  
Docherty, S.J., et al. BMC Genet. 11, 61 (2010) :  
Yang, X.R., et al. Nat. Genet. 41(11):1176-1178(2009)  
Oakley, G.J., et al. Mod. Pathol. 21(12):1461-1469(2008)  
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