

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

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)
Bondue, A., et al. Cell Stem Cell 3(1):69-84(2008)