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TTN Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP21985a

Specification

TTN Blocking Peptide (N-term) - Product Information

Primary Accession	Q8WZ42
Other Accession	A2ASS6

TTN Blocking Peptide (N-term) - Additional Information

Gene ID 7273

Other Names
Titin, 2.7.11.1, Connectin, Rhabdomyosarcoma antigen MU-RMS-40.14, TTN

Target/Specificity
The synthetic peptide sequence is selected from aa 7189-7203 of HUMAN TTN

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.

TTN Blocking Peptide (N-term) - Protein Information

Name TTN

Function
Key component in the assembly and functioning of vertebrate striated muscles. By providing connections at the level of individual microfilaments, it contributes to

TTN Blocking Peptide (N-term) - Background

Key component in the assembly and functioning of vertebrate striated muscles. By providing connections at the level of individual microfilaments, it contributes to the fine balance of forces between the two halves of the sarcomere. The size and extensibility of the cross-links are the main determinants of sarcomere extensibility properties of muscle. In non-muscle cells, seems to play a role in chromosome condensation and chromosome segregation during mitosis. Might link the lamina network to chromatin or nuclear actin, or both during interphase.

TTN Blocking Peptide (N-term) - References

Labeit S.,et al.Science 270:293-296(1995).
Freiburg A.,et al.Circ. Res. 86:1114-1121(2000).
Bang M.-L.,et al.Circ. Res. 89:1065-1072(2001).
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Cellular Location
Cytoplasm. Nucleus

Tissue Location
Isoforms 3, 7 and 8 are expressed in cardiac muscle. Isoform 4 is expressed in vertebrate skeletal muscle. Isoform 6 is expressed in skeletal muscle (at protein level)

TTN Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides