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RECQL Blocking Peptide (Center)

Synthetic peptide
Catalog # BP20349c

Specification

RECQL Blocking Peptide (Center) - Product Information

Primary Accession P46063

RECQL Blocking Peptide (Center) - Additional Information

Gene ID 5965

Other Names
ATP-dependent DNA helicase Q1, DNA helicase, RecQ-like type 1, RecQ1, DNA-dependent ATPase Q1, RecQ protein-like 1, RECQL, RECQ1, RECQL1

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.

RECQL Blocking Peptide (Center) - Protein Information

Name RECQL

Synonyms RECQ1, RECQL1

Function
DNA helicase that plays a role in DNA damage repair and genome stability (PubMed:7961977, PubMed:7527136, PubMed:8056767, PubMed:15886194, PubMed:35025765). Exhibits a magnesium- and ATP- dependent DNA-helicase activity that unwinds single- and double- stranded DNA in a 3'-5' direction (PubMed:7527136, PubMed:8056767, PubMed:35025765). Plays a role in restoring regressed replication forks (PubMed:35025765). Required to restart stalled replication forks induced by abortive topoisomerase 1 and 2 lesions (PubMed:35025765). May play a role in the repair of DNA that is damaged by ultraviolet light or other mutagens (PubMed:<a

href="http://www.uniprot.org/citations/7961977" target="_blank">7961977, PubMed:15886194).

Cellular Location
Nucleus

Tissue Location
High expression in heart, lung, skeletal muscle and kidney, low expression in brain.

RECQL Blocking Peptide (Center) - Protocols

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

- Blocking Peptides

RECQL Blocking Peptide (Center) - Images

RECQL Blocking Peptide (Center) - Background

DNA helicase that may play a role in the repair of DNA that is damaged by ultraviolet light or other mutagens. Exhibits a magnesium-dependent ATP-dependent DNA-helicase activity that unwinds single-and double-stranded DNA in a 3'-5' direction.