

RECQL Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20349c**Specification**

RECQL Blocking Peptide (Center) - Product InformationPrimary 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 {ECO:0000303|PubMed:7961977}**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, PubMed:19151156). Full-length protein unwinds forked DNA substrates, resolves Holliday junctions, and has DNA strand annealing activity (PubMed:19151156, PubMed:25831490). 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: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.