

## Recombinant Human RECQL Protein (1-649 aa), His-tagged

**Cat. No.** RECQL-2818H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human RECQL Protein (1-649 aa) is produced by Baculovirus expression system. This protein is fused with a 10xHis tag at the N-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Full Length.                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 1-649 aa                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | 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.                                                                                                                                                                                   |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 76.0 kDa                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MASVSALTEELDSITSELHAVEIQIQELTERQQELIQKKKVLTKKIKQCLEDSDAGASN<br>EYDSSPAAWNKEDFPWSGKVKDILQNVFKLEKFRPLQLETINVTMAGKEVFLVMPT<br>GGGKSLCYQLPALCSDGFTLVICPLISLMEDQLMVLKQLGISATMLNASSSKEHVKW<br>VHAEMVNKNSELKLIYVTPEKIAKSKMFMSRLEKAYEARFTRIADVHCCSQWGH<br>DFRPDYKALGILKRQFPNASLIGLTATATNHVLTDAQKILCIEKCFTFTASFNRPNLYY<br>EVRQKPSNTEDFIEDIVKLINGRYKGQSGIYCFSQKDSEQVTVSLQNLGIHAGAYHA<br>NLEPEDKTTVHRKWSANEIQVVVATVAFGMGIDKPDVRFVIHHSMSKSMENYYQES |

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GRAGRDDMKADCILYYGFGDIFRISSMVVMENVGQQKLYEMVSYCQNISKCRRVLM  
 AQHFDEVWNSEACNKMCDNCKDSAFERKNITEYCRDLIKLKQAEELNEKLTPCLKI  
 DSWMGKGAALKRVAGVVAPTLPRDLEKIIAHFLIQYLYKEDYSFTAYATISYLGKIGPK  
 ANLLNNEAHAITMQVTKSTQNSFRAESSQTCHSEQGDKKMEEKNSGNFQKKAANM  
 LQQSGSKNTGAKKRKIDDA

**Purity** > 85% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

## GENE INFORMATION

**Gene Name** RECQL RecQ protein-like (DNA helicase Q1-like) [ Homo sapiens ]

**Official Symbol** RECQL

**Synonyms** RECQL; RecQ1; RecQL1; recQ protein-like 1; DNA-dependent ATPase Q1; DNA helicase, RecQ-like type 1; RECQL1;

**Gene ID** 5965

**mRNA Refseq** NM\_002907

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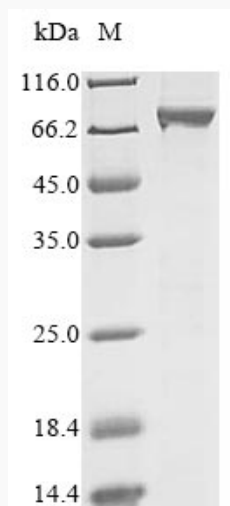
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**Protein Refseq** NP\_002898

**MIM** 600537

**UniProt ID** P46063



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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