

Recombinant Full Length Human RECQL Protein, C-Flag-tagged

Cat. No. RECQL-617HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RECQL Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is a member of the RecQ DNA helicase family. DNA helicases are enzymes involved in various types of DNA repair, including mismatch repair, nucleotide excision repair and direct repair. The encoded protein is involved in the processing of Holliday junctions, the suppression of sister chromatid exchanges, telomere maintenance, and is required for genotoxic stress resistance. Defects in this gene have been associated with several types of cancer.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	73.3 kDa
AA Sequence	MASVSALTEELDSITSELHAVEIQIQELTERQQELIQKKKVLTKKIKQCLEDSDAGASN EYDSSPAAWNK EDFPWSGKVKDILQNVFKLEKFRPLQLETINVTMAGKEVFLVMPT GGGKSLCYQLPALCSDGFTLVICPL ISLMEDQLMVLKQLGISATMLNASSSKEHVKW VHAEMVNKNSSELKLIYVTPEKIAKSKMFMSRLEKAYEA RRFTRIADVDEVHCCSQWG HDFRPDYKALGILKRQFPNASLIGLTATATNHVLTDAQKILCIEKCFTFTAS FNRPNLY YEVQRKPSNTEDFIEDIVKLINGRYKGQSGIYCFSQKDSEQVTVSLQNLGIHAGAYH

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ANLEP EDKTTVHRKWSANEIQVVVATVAFGMGIDKPDVRFVIHHSMSKSMENYYQE
 SGRAGRDDMKADCILYYGF GDIFRISSMVVMENVGQQKLYEMVSYCQNISKCRRLV
 MAQHFDEVWNSEACNKMCDNCCKDSAFERKNIT EYCRDLIKILKQAEELNEKLTP
 KLIDSWMGKGAALKRVAGVVAPTLPPREDLEKIIAHFLIQQYLKEDYS FTAYATISY
 LKI GPKANLLNNEAHAITMQVTKSTQNSFRAESSQTCHSEQGDKKMEKKNSGNFQKKA
 ANM
 LQQSGSKNTGAKKRKIDDATRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	RECQL RecQ like helicase [Homo sapiens (human)]
Official Symbol	RECQL
Synonyms	RecQ1; RECQL1
Gene ID	5965

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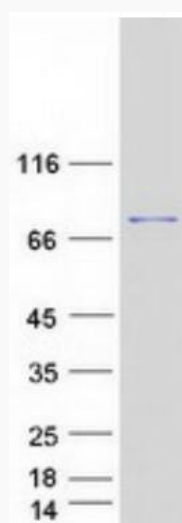
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mRNA Refseq [NM_032941.3](#)

Protein Refseq [NP_116559.1](#)

MIM [600537](#)

UniProt ID [P46063](#)



Coomassie blue staining of purified RECQL protein.

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