

Recombinant Human RECQL Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RECQL-2688H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RECQL MS Standard C13 and N15-labeled recombinant protein (NP_116559) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	73.5 kDa
AA Sequence	MASVSALTEELDSITSELHAVEIQIQELTERQQELIQKKKVLTKKIKQCLEDSDAGASN EYDSSPAAWNKEDFPWSGKVKDILQNVFKLEKFRPLQLETINVTMAGKEVFLVMPT GGGKSLCYQLPALCSDGFTLVICPLISLMEDQLMVLKQLGISATMLNASSSKEHVKW VHAEMVNKNSELKLIYVTPEKIAKSKMFMSRLEKAYEARRFTRIADVDEVHCCSQWGH DFRPDYKALGILKRQFPNASLIGLTATATNHVLTDAQKILCIEKCFTFTASFNRPNLYY EVRQKPSNTEDFIEDIVKLINGRYKGQSGIYCFSQKDSEQVTVSLQNLGIHAGAYHA NLEPEDKTTVHRKWSANEIQVVVATVAFGMGIDKPDVRFVIHHSMSKSMENYYQES

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GRAGRDDMKADCILYYGFGDIFRISSMVVMENVGQQKLYEMVSYCQNISKCRRVLM
 AQHFDEVWNSEACNKMCDNCKDSAFERKNITEYCRDLIKILKQAEELNEKLTPLKLI
 DSWMGKGAALKRVAGVVAPTLPRDLEKIIAHFLIQYQYKEDYSFTAYATISYLGKIGPK
 ANLLNNEAHAITMQVTKSTQNSFRAESSQTCHSEQGDKKMEKKNSGNFQKKAANM
 LQQSGSKNTGAKKRKIDDATRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name RECQL RecQ like helicase [Homo sapiens (human)]

Official Symbol RECQL

Synonyms RECQL; RecQ protein-like (DNA helicase Q1-like); ATP-dependent DNA helicase Q1; RecQ1; RECQL1; recQ protein-like 1; DNA-dependent ATPase Q1; DNA helicase, RecQ-like type 1; RECQL1;

Gene ID 5965

mRNA Refseq NM_032941

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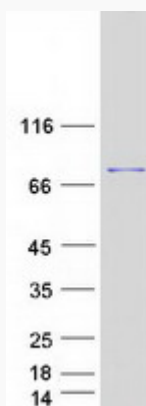
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Protein Refseq NP_116559

MIM 600537

UniProt ID P46063

SDS-PAGE



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