

Recombinant Human RECQL, His-tagged

Cat. No. RECQL-3746H Lot. No. (See product label)

SPECIFICATION

Product Overview	ATP-dependent DNA helicase Q1 (RECQL)
Species	Human
Source	E.Coli/Yeast
ProteinLength	649
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. Some members of this family are associated with genetic disorders with predisposition to malignancy and chromosomal instability. The biological function of this helicase has not yet been determined. Two alternatively spliced transcripts, which encode the same isoform but differ in their 5' and 3' UTRs, have been described.
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of RECQL recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

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Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	RECQL RecQ protein-like (DNA helicase Q1-like) [Homo sapiens]
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_002907
Protein Refseq	NP_002898
MIM	600537
UniProt ID	P46063
Chromosome Location	12p12.1
Function	ATP binding; ATP-dependent 3-5 DNA helicase activity; ATP-dependent DNA helicase activity; DNA binding; DNA helicase activity; DNA strand annealing activity;

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hydrolase activity; nucleotide binding; protein binding;

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