

Recombinant Human RECQL4, His-tagged

Cat. No. RECQL4-3747H Lot. No. (See product label)

SPECIFICATION

Product Overview	ATP-dependent DNA helicase Q4 (RECQL4), partial
Species	Human
Source	E.Coli/Yeast
ProteinLength	1208
Description	The protein encoded by this gene is a DNA helicase that belongs to the RecQ helicase family. DNA helicases unwind double-stranded DNA into single-stranded DNAs and may modulate chromosome segregation. This gene is predominantly expressed in thymus and testis. Mutations in this gene are associated with Rothmund-Thomson, RAPADILINO and Baller-Gerold syndromes.
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 RECQL4 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.
Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.

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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 [RECQL4 RecQ protein-like 4 \[Homo sapiens \]](#)

Official Symbol RECQL4

Synonyms RECQL4; RecQ protein-like 4; ATP-dependent DNA helicase Q4; RecQ4; DNA helicase, RecQ-like type 4; DNA helicase, RecQ-like, type 4; RECQ4;

Gene ID [9401](#)

mRNA Refseq [NM_004260](#)

Protein Refseq [NP_004251](#)

MIM [603780](#)

UniProt ID [O94761](#)

Chromosome Location 8q24.3

Function ATP binding; ATP-dependent 3-5 DNA helicase activity; ATP-dependent helicase activity; DNA strand annealing activity; bubble DNA binding; helicase activity; hydrolase activity; nucleic acid binding; nucleotide binding; zinc ion binding;

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