

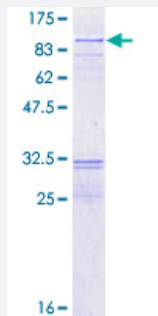
Full-Length

RECQL (Human) Recombinant Protein (P01)

Catalog # H00005965-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human RECQL full-length ORF (NP_002898.2, 1 a.a. - 649 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASVSALTEELDSITSELHAVEIIQIQLTERQQELIQKKKVLTKKIKQCLEDSDAGASNEYDSSPAA
WNKEDFPWSGKVKDILQNVFKLEKFRPLQLETINVTMAGKEVFLVMPTGGGKSLCYQLPALCSD
GFTLVICPLISLMEDQLMVLKQLGISATMLNASSSKEHVKWVHAEMVNKNSCLKIYVTPEKIAKSK
MFMSRLEKAYEARFTRIADVDEHCCSQWGHDFRPDYKALGILKRQFPNASLIGLTATATNHVLT
AQKILCIEKCFFTASFNRPNLYEVRQKPSNTEDFIEDIVKLINGRYKGQSGIYCFSSQKDSEQVTVS
LQNLGIHAGAYHANLEPEDKTTVHRKWSANEIQVVVATVAFGMGIDKPDVRFVIHHSMSKSMENY
YQESGRAGRDDMKADCILYYGFDIFRISSMVMENVGQQKLYEMVSYCQNISKCRVLMAQHFD
EVWNSEACNKMCDNCKDSAFERKNITEYCRDLIKLKQAEELNEKLTPCLKIDSWMGKGAALKR
VAGVVAPTLPREDLEKIIAHFLIQQYLKEDYSFTAYATISYLKIGPKANLLNNEAHAIMQVTKSTQNS
FRAESSQTCHSEQGDKKMEEKNSGNFQKKAANMLQQSGSKNTGAKKRKIDDA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

99.9

Interspecies Antigen Sequence

Mouse (85); Rat (83)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RECQL

Entrez GeneID	5965
GeneBank Accession#	NM_002907.2
Protein Accession#	NP_002898.2
Gene Name	RECQL
Gene Alias	RECQL1, RecQ1
Gene Description	RecQ protein-like (DNA helicase Q1-like)
Omim ID	600537
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	ATP-dependent DNA helicase Q1 DNA helicase Q1-like RecQ protein-like

Disease

- [Ataxia telangiectasia](#)
- [Carcinoma](#)
- [Colorectal Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)