

[Go to Product page](#)

Datasheet for ABIN7555181

RECQL4 Protein (AA 1-1208) (His tag)

Overview

Quantity:	1 mg
Target:	RECQL4
Protein Characteristics:	AA 1-1208
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RECQL4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinant RECQL4 Protein expressed in mammalian cells.
Sequence:	MERLRDVRER LQAWERAFRR QRGRRPSQDD VEAAPPEETRA LYREYRTLKR TTGQAGGGLR SSESLPAAAE EAPEPRCWGP HLNRAATKSP QSTPGRSRQG SVPDYGQRLK ANLKGTLQAG PALGRRPWPL GRASSKASTP KPPGTGPVPS FAEKVSDEPP QLPEPQPRPG RLQHLQASLS QRLGSLDPGW LQRCHSEVPD FLGAPKACRP DLGSEESQLL IPGESAVLGP GAGSQGPEAS AFQEVSIRVG SPQPSSSGGE KRRWNEEPWE SPAQVQESS QAGPPSEGAG AVAVEEDPPG EPVQAQPPQP CSSPSNPRYH GLSPSSQARA GKAEGTAPLH IFPRLARHDR GNYVRLNMKQ KHVYRGRALR SRLLRKQAWK QKWRKKGECF GGGGATVTTK ESCFLNEQFD HWAAQCPRPA SEEDTDAVGP EPLVPSPQPV PEVPSLDPTV LPLYSLGSPG QLAETPAEVF QALEQLGHQA FRPGQERAVM RILSGISTLL VLPTGAGKSL CYQLPALLYR RRSPLCLTVV SPLLSLMDDQ VSGLPCLKA ACIHSGMTRK QRESVLQKIR AAQVHVMLT PEALVGAGGL PPAAQLPPVA FACIDEAHCL SQWSHNFPC YLRVCKVLR RMGVHCFLGL TATATRRTAS DVAQHLAVAE

Product Details

EPDLHGPAV PTNLHLSVSM DRDTDQALLT LLQGKRFQNL DSIIICNRR EDERIAALL
RTCLHAAWVP GSGGRAPKTT AEAYHAGMCS RERRRVQRAF MQGQLRVVVA TVAFGMGLDR
PDVRAVLHLG LPPSFESYVQ AVGRAGRDGQ PAHCHLFLQP QGEDLRELRR HVHADSTDFL
AVKRLVQRVF PACTCTCTRP PSEQEGAVGG ERPVPKYPPQ EAEQLSHQAA PGP RRVCMGH
ERALPIQLTV QALDMPEEAI ETLCCYLELH PHHWLELLAT TYTHCRLNCP GGPAQLQALA
HRCPLAVCL AQLPEDPGQ GSSSVEFDMV KLVDSMGWEL ASVRRALCQL QWDHEPRTGV
RRGTGVLVEF SELAFHLRSP GDLTAEEDQ ICDFLYGRVQ ARERQALARL RRTFQAFHSV
AFPCGPCLE QQDEERSTRL KDLLGRYFEE EEGQEPGGME DAQGPEPGQA RLQDWEDQVR
CDIRQFLSLR PEEKFSSRAV ARIFHGIGSP CYPAQVYGQD RRFWRKYLHL SFHALVGLAT
EELLQVAR **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

Target Details

Target: RECQL4

Alternative Name: RECQL4 ([RECQL4 Products](#))

Background: ATP-dependent DNA helicase Q4 (EC 5.6.2.4) (DNA 3'-5' helicase RecQ4) (DNA helicase, RecQ-

Target Details

like type 4) (RecQ4) (RTS) (RecQ protein-like 4),FUNCTION: An ATP-dependent DNA helicase which unwinds dsDNA with a 3'-overhang in a 3'-5' direction (PubMed:28653661). Does not unwind more than 18 bp of dsDNA (PubMed:28653661). May modulate chromosome segregation. The N-terminal domain (residues 1-54) binds DNA Y-shaped DNA better than ss- or dsDNA (PubMed:22730300). The core helicase domain binds ssDNA (PubMed:28653661, PubMed:22730300). {ECO:0000269|PubMed:15317757, ECO:0000269|PubMed:22730300, ECO:0000269|PubMed:28653661}.

Molecular Weight: 133.1 kDa

UniProt: [O94761](#)

Pathways: [Chromatin Binding](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months