

Datasheet for ABIN7564177
RECQL4 Protein (AA 1-1216) (His tag)



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Overview

Quantity:	1 mg
Target:	RECQL4
Protein Characteristics:	AA 1-1216
Origin:	Mouse
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 recombinat Recq 4 Protein expressed in mammalien cells.
Sequence:	MERLATVRAR LQEWERAFAR LHGRRPAKGD VEAAPETRA LYREYRNLKQ AVRQADDRHR VLEQSLAEAA EEAQEPSCWG PHLSRAATQN TQSMPKQSL L SSVQDYGKRL KANLKNTTQT GPTQSRKLQL QKRSLSTVPA PRPPGSKTES PCPDEADDAL PRVPEPRPRL GQLQQLRSSL SRRLTSLDPG WLERCHNRVS DLLEVPGACG LDLSAEESQP QMSGKVNIAD PDIQSEVSVQ SPEAIAQQPA QVLSQSPKSI NSKGRKRKWN EKGEDFAQDQ PSSGAGPLSE GARATVHGQD PPGEPTQVNV PQPCNSSNQA RTEKAKGTTH LHASRPASL DRGN YIRLNM KNKRFVRVGA NRGRLLRKQV WKQKWKKKQA AFGGSGPRAT DKDTCFRCGQ FGHWASQCSQ PGPTLTVQEE GDRDDKQPIS TLEEVAQRTG TASCHHSGEE TQPAAPQLV PHCPTMSPL YPPGPLGQVA ETPAEVFQAL ERLGYRAF RP GQERAIMRIL SGISTLLVLP TGAGKSLCYQ LPALLYAQRS PCLTLVVSPL LSLMDDQVSD LPSC LKAA CL HSGMTKKQRE SVLKKVRAAQ VHV LIVSPEA LVGCGARGPG SLPQAAQLPP IAFACIDEVH CLSQWSHNFR PCYLRVCKVL REHMGVRCFL

Product Details

GLTATATRST ARDVAQHLGI AGEFELSGSA NIPANLHLSV SMDRSDQAL VTLLQGDRFR
TLDSVIIYCT RERIQNGWLA LLRTCLSMVG DSRPRGCGPE AIAEAYHAGM SSQERRRVQQ
AFMRGHLRMV VATVAFGMGL DRPDVRAVLH LGLPPSFESY VQAIGRAGR D GKPAHCHLFM
HPQGEDLWEL RRHAHADSTD FLAVKRLVQR VFPPCTCSQR PVS KSSPEEV KEHSGQQTYP
VLGQACLGHE RALPVQSTVQ ALDMTEEAIE TLLCYLELHP RHWLELLPWT YAQCHLHCLG
GSAQLQALAH RCPPLAACQA KWPPKDTSQG RSSLEFGVVE LADSMGWKLA SVRQALHQLK
WDPEPKKGA QGTGVLVKFS ELAFHLHSRG DLTDEEKDQI CDFLYNRVQA REHKALAH LH
QMSKAFRSVA FPSCGPCLEQ SNEEHSNQVK TLVSYFFEEE EEEEETMTDT QGPKPGQTQL
QDWEDQIRRD VRQLLSLRPE ERFSGRAVAR IFHGIASPCY PAQVYGLDRR FWRKYLHLDF
HALMHLATEE LLLRGR **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: Recq14 ([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) (RecQ protein-like 4),FUNCTION: An ATP-dependent DNA helicase which unwinds dsDNA with a 3'-overhang in a 3'-5' direction (By similarity). May play a role in development of the palate and the limbs. May modulate chromosome segregation. {ECO:0000250|UniProtKB:O94761, ECO:0000269|PubMed:12915449, ECO:0000269|PubMed:15703196}.

Molecular Weight: 135.1 kDa

UniProt: [Q75NR7](#)

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