

Datasheet for ABIN7555145

RAD17 Protein (RAD17) (AA 1-681) (His tag)



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Overview

Quantity:	1 mg
Target:	RAD17
Protein Characteristics:	AA 1-681
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAD17 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat RAD17 Protein expressed in mammalian cells.
Sequence:	<p>MSKTFLRPKV SSTKVTDWVD PSFDDFLECS GVSTITATSL GVNNSSHRRK NGPSTLESSR</p> <p>FPARKRGNLS SLEQIYGLEN SKEYLSENEP WVDKYKPETQ HELAVHKKKI EEVETWLKAQ</p> <p>VLERQPKQGG SILLITGPPG CGKTTTLKIL SHEHGIQVQE WINPVLPDFQ KDDFKGMFNT</p> <p>ESSFHMFPYQ SQIAVFKEFL LRATKYNKLQ MLGDDLRTDK KIILVEDLPN QFYRDSHTLH</p> <p>EVLRYKVRIG RCPLIFIISD SLSGDNNQRL LFPKEIQEEC SISNISFPV APTIMMKFLN RIVTIEANKN</p> <p>GGKITVPDKT SLELLCQGCS GDIRSAINSL QFSSSKGENN LRPRKKGMSL KSDAVLSKSK</p> <p>RRKKPDRVFE NQEVQAIGGK DVSLFLFRAL GKILYCKRAS LTELDSRPLP SHLSEYERDT</p> <p>LLVEPEEVVE MSHMPGDLFN LYLHQNYIDF FMEIDDIVRA SEFLSFADIL SGDWNTRSL</p> <p>REYSTSIATR GVMHSNKARG YAHCCQGGGSS FRPLHKPQWF LINKKYRENC LAAKALFPDF</p> <p>CLPALCLQTQ LLPYLALLTI PMRNQAQISF IQDIGRLPLK RHFGRLKMEA LTDREHGMD</p> <p>PDSGDEAQLN GGHSAEESLG EPTQATVPET WSLPLSQNSA SELPASQPQP FSAQGDMEEN</p>

IIIEDYESDG T **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:

RAD17

Alternative Name:

RAD17 ([RAD17 Products](#))

Background:

Cell cycle checkpoint protein RAD17 (hRad17) (RF-C/activator 1 homolog),FUNCTION: Essential for sustained cell growth, maintenance of chromosomal stability, and ATR-dependent checkpoint activation upon DNA damage (PubMed:10208430, PubMed:11418864, PubMed:11687627, PubMed:11799063, PubMed:12672690, PubMed:14624239, PubMed:15235112). Has a weak ATPase activity required for binding to chromatin (PubMed:10208430, PubMed:11418864, PubMed:11687627, PubMed:11799063, PubMed:12672690, PubMed:14624239, PubMed:15235112). Participates in the recruitment of the 9-1-1 (RAD1-RAD9-HUS1) complex and RHO1 onto chromatin, and in CHEK1 activation (PubMed:21659603). May also serve as a sensor of DNA replication progression, and may be involved in homologous recombination (PubMed:14500819, PubMed:12578958,

Target Details

PubMed:15538388). {ECO:0000269|PubMed:10208430, ECO:0000269|PubMed:11418864, ECO:0000269|PubMed:11687627, ECO:0000269|PubMed:11799063, ECO:0000269|PubMed:12578958, ECO:0000269|PubMed:12672690, ECO:0000269|PubMed:14500819, ECO:0000269|PubMed:14624239, ECO:0000269|PubMed:15235112, ECO:0000269|PubMed:15538388, ECO:0000269|PubMed:21659603}.

Molecular Weight: 77.1 kDa

UniProt: [O75943](#)

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