

Datasheet for ABIN7564065

## RAD17 Protein (RAD17) (AA 1-688) (His tag)



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### Overview

Quantity:	1 mg
Target:	RAD17
Protein Characteristics:	AA 1-688
Origin:	Mouse
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>MSETFLRPKV SSTKVTDWVA PAFDDFEANT AITTITASSL TFSNSSHRRK YLPSTLESNR</p> <p>LSARKRGRSL LEQTHGLETS RERLSDNPEW VDKYKPEQTH ELAVHKKKIE EVETWLKAQV</p> <p>LEVKPKQGGG VLLITGPPGC GKTTTIKILS KELGIQVQEW VNPILPDFQK DDYKELLSLE</p> <p>SNFSVVPYQS QIAVFNDPLL RATKYSKLQM LGDDLTTDKK IILVEELPNQ FYRDPNALHE</p> <p>ILRKHVQIGR CPLVFIVSDS VSGDNNQRLI FPRNIQEECS VSNISFNPVA PTIMMKFLNR</p> <p>IVTIEASKNG EKIIVPNKTS LELLCQGCSG DIRSAINSLQ FSSSKGENSS WSKKKRMSLK</p> <p>SDAAISKSKQ KKKHNSTLEN QEIQAIIGKD VSLFLFRALG KILYCKRAPL TELDSPRLPA</p> <p>HLSEHDRDTL LVQPEEIVEM SHMPGDFFNL YLHQNYIDFF AEVDDLVPAS EFLSFADILG</p> <p>GDWNTSRLLR EYSTSVATRG VMHSNKARGF AHCQGGSSFR PLHKPQWFLI QKKYRENCLA</p> <p>AKALFVDFCL PALCLQTQLL PYLALLTIPM RNKAQISFIQ DVGRLPLKRS FGRLKMEALT</p> <p>DRELGLIDPD SGDESPHSGG QPAQEAPGEP AQAAQNADPE TWSLPLSQNS GSDLPASQPQ</p>

PFSSKVDME EEEEEEDIII EDYDSEET **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, FUNCTION: Essential for sustained cell growth, maintenance of chromosomal stability, and ATR-dependent checkpoint activation upon DNA damage (By similarity). Has a weak ATPase activity required for binding to chromatin (By similarity). Participates in the recruitment of the 9-1-1 (RAD1-RAD9-HUS1) complex and RHN01 onto chromatin, and in CHEK1 activation (By similarity). May also serve as a sensor of DNA replication progression, and may be involved in homologous recombination (PubMed:15297881). {ECO:0000250|UniProtKB:O75943, ECO:0000269|PubMed:15297881}.

### Molecular Weight:

77.4 kDa

### UniProt:

[Q6NXW6](#)

## 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.
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Restrictions:	For Research Use only
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## 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