

Datasheet for ABIN7555144

## RAD54B Protein (AA 1-910) (His tag)



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### Overview

Quantity:	1 mg
Target:	RAD54B
Protein Characteristics:	AA 1-910
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAD54B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat RAD54B Protein expressed in mammalian cells.
Sequence:	<p>MRRSAAPSQL QGNSFKKPKF IPPGRSNPGL NEEITKLNPD IKLFEGVAIN NTFLPSQNDL</p> <p>RICSLNLPSE ESTREINNRD NCSGKYCFEA PTLATLDPPH TVHSAPKEVA VSKEQEEKSD</p> <p>SLVKYFSVWV CKPSKKKHKK WEGDAVLIVK GKSFILKNLE GKDIGRGIGY KFKELEKIEE</p> <p>GQTLMICGKE IEVMGVISPD DFSSGRCFQL GGGSTAISHS SQVARKCFSN PFKSVCKPSS</p> <p>KENRQNDQFN CKPRHDPYTP NSLVMRPDK NHQWVFNKNC FPLVDVVIDP YLVYHLRPHQ</p> <p>KEGIIFLYEC VMGMRMNGRC GAILADEMGL GKTLQCISLI WTLQCQGPYG GKPVIKKTLI</p> <p>VTPGSLVNNW KKEFQKWLGS ERIKIFTVDQ DHKVEEFIKS IFYSVLIISY EMLLRSLDQI</p> <p>KNIKFDLLIC DEGHRLKNSA IKTTTALISL SCEKRIITG TPIQNDLQEF FALIDFVNPG ILGSLSSYRK</p> <p>IYEPIILSR EPSASEEKE LGERRAAELT CLTGLFILRR TQEINKYLP PKIENVVFCR PGALQIELYR</p> <p>KLLNSQVVRV CLQGLENLSP HLCIGALKK LCNHPCLLFN SIKEKECSST CDKNEEKSLY</p> <p>KGLLSVFPAD YNPLLFTEKE SGKLQVLSKL LAVIHEL RPT EKVVLVSNYT QTLNILQEVK</p>

## Product Details

KRHGYAYTRL DGQTPISQRQ QIVDGFNSQH SSFFIFLLSS KAGGVGLNLI GGSHLILYDI  
DWNPATDIQA MSRVWRDGQK YPVHIYRLT TGIEEKIYQ RQISKQGLCG AVVDLTKTSE  
HIQFSVEELK NLFTLHESSD CVTHDLLDCE CTGEEVHTGD SLEKFIVSRD CQLGPHHQKS  
NSLKPLSMSQ LKQWKHFSGD HLNLTDPFLE RITENVSFIF QNITTQATGT **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:

RAD54B

### Alternative Name:

RAD54B ([RAD54B Products](#))

### Background:

DNA repair and recombination protein RAD54B (EC 3.6.4.-) (RAD54 homolog B),FUNCTION: Involved in DNA repair and mitotic recombination. May play an active role in recombination processes in concert with other members of the RAD52 epistasis group.  
{ECO:0000269|PubMed:11782437, ECO:0000269|PubMed:11884632}.

### Molecular Weight:

103.0 kDa

## Target Details

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UniProt: [Q9Y620](#)

## Application Details

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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

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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