

Datasheet for ABIN7564124

## RAD54B Protein (AA 1-886) (His tag)



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### Overview

Quantity:	1 mg
Target:	RAD54B
Protein Characteristics:	AA 1-886
Origin:	Mouse
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>MRRSAAPSQV QGKSFKKTRF IPPGRSNADV SKEITKMSPD PKLFQGAEQS QNDPGVCSSN</p> <p>PCPSEGIPRE VGDGTRVDPL PPVHSASKEI TESKAQEEEA SSLLKYFSVV WCKASKKKHK</p> <p>KWEGDAILIV RGRSFTLKDL EGKDIGRGIG YKFKDLENVE EGQTLIIGGK EIEILGTISS</p> <p>DDFNSGKCFQ HGSGSPAVPS SQAARKCFSN PFKSVCQSTQ AQGKRWNDCR PRHNPCTPNA</p> <p>LVMRPDENH QRMFNRHCSP IVDVVIDPHL VHHLRPHQKD GIIFLYECVM GMRAVGKCGA</p> <p>ILADEMGLGK TLQCISLIWT LQCQGPYGGK PVIKKTIVT PGSLVNNWRK EFQKWLGSR</p> <p>IKIFTVDQDH KVEEFINSTF HSVLIISYEM LLRSLDQIKT IPFGLLICDE GHRLKNSSIK TTTALSSLSC</p> <p>EKTIVLTGTP VQNDLQEFFA LVDFVNPGIL GSLSSYRKIY EEPHISREP SSSKEERELG</p> <p>ERRATELTRT TGRFILRRTQ EVINKYLPK IENVVFCRPG ALQIELYRKL LRSQSVRFCL</p> <p>QGLLENSAHL ICIGALKKLC NHPCLLFSSV KGKEFSSSCE ENEERNLCQG LLSVFPAGYN</p> <p>PLQFSEEEESG KLQVLVKLLA VIHRLPTEK VILVSNYRQT LNVLEEVCCKR HGYACARLDG</p>

QTPVSQRQHI VDSFNISKYST DFIFLLSSKA GGVGLNLIGG SHLILYDIDW NPATDIQAMS  
RVWRDGQKHP VHIYRLTTG TIEEKIYQRQ ISKQGLSGAV VDLTRSSEHI QFSVEELKNL  
FTLHESSHCV THDLLDCECT GEKGHTEDAS EGPVASRQCQ FGPQKSDALR PLSMSQLKQW  
KHFGSDHLNL PDPFLERIRE NVSFFFQNIT NQAPAV **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:12548566}.

### Molecular Weight:

99.3 kDa

## Target Details

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UniProt: [Q6PFE3](#)

## 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