Datasheet for ABIN5853422

RAD51 Homolog B Protein (Rad51B) (AA 1-350) (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	RAD51 Homolog B (Rad51B)
Protein Characteristics:	AA 1-350
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAD51 Homolog B protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMGSKKLK RVGLSQELCD RLSRHQILTC QDFLCLSPLE LMKVTGLSYR GVHELLCMVS RACAPKMQTA YGIKAQRSAD FSPAFLSTTL SALDEALHGG VACGSLTEIT GPPGCGKTQF CIMMSILATL PTNMGGLEGA VVYIDTESAF SAERLVEIAE SRFPRYFNTE EKLLLTSSKV HLYRELTCDE VLQRIESLEE EIISKGIKLV ILDSVASVVR KEFDAQLQGN LKERNKFLAR EASSLKYLAE EFSIPVILTN QITTHLSGAL ASQADLVSPA DDLSLSEGTS GSSCVIAALG NTWSHSVNTR LILQYLDSER RQILIAKSPL APFTSFVYTI KEEGLVLQAY GNS
Purity:	> 85 % by SDS - PAGE

Target Details

Target:	RAD51 Homolog B (Rad51B)

Target Details

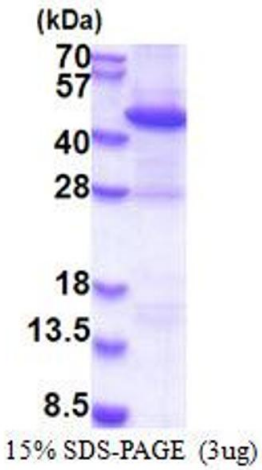
Alternative Name:	RAD51B (Rad51B Products)
Background:	RAD51B is a member of the RAD51 protein family. RAD51 family members are evolutionarily conserved proteins essential for DNA repair by homologous recombination. This protein has been shown to form a stable heterodimer with the family member RAD51C, which further interacts with the other family members, such as RAD51, XRCC2, and XRCC3. Overexpression of this gene was found to cause cell cycle G1 delay and cell apoptosis, which suggested a role of this protein in sensing DNA damage. Recombinant human RAD51B protein, fused to His-tag at N-terminus, was expressed in E.coli .
Molecular Weight:	40.6kDa (373aa)
NCBI Accession:	NP_002868
UniProt:	O15315
Pathways:	DNA Damage Repair

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Denatured
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing , 10 % glycerol, 0.4M urea
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.