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Product datasheet for AR51285PU-N

RAD51L1 (1-350, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	RAD51L1 (1-350, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA 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
Tag:	His-tag
Predicted MW:	40.6 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Preparation:	Liquid purified protein
Protein Description:	Recombinant human RAD51B protein, fused to His-tag at N-terminus, was expressed in E.coli .
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001308738
Locus ID:	5890
Cytogenetics:	14q24.1
Synonyms:	R51H2; RAD51L1; REC2

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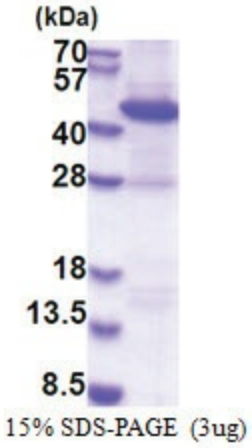
Summary: The protein encoded by this gene is a member of the RAD51 protein family. RAD51 family members are evolutionarily conserved proteins essential for DNA repair by homologous recombination. This protein has been shown to form a stable heterodimer with the family member RAD51C, which further interacts 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. Rearrangements between this locus and high mobility group AT-hook 2 (HMGA2, GeneID 8091) have been observed in uterine leiomyomata. [provided by RefSeq, Mar 2016]

Protein Families: Druggable Genome

Protein Pathways: Homologous recombination

Product images:



15% SDS-PAGE (3ug)