

## Product datasheet for **AR51328PU-S**

### **RAD51L3 (1-216, His-tag) Human Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	RAD51L3 (1-216, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMGVLRVG LCPGLTEEMI QLLRSHRIKT VDLVSADLE EVAQKCGLSY KAEALRRIQV VHAFDIFQML DVLQELRGTV AQQVTGSSGT VKVVVDSVT AVVSPLLGGQ QREGLALMMQ LARELKTLAR DLGMAVVVN HITRDRDSGR LKPALGRSWS FVPSTRILLD TIEGAGASGG RRMACLA KSS RQPTGFQEMV DIGTWGTSEQ SATLQGDQT
Tag:	His-tag
Predicted MW:	25.7 kDa (239aa) confirmed by MALDI-TOF
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human RDA51D 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:	<a href="#">NP_001136043</a>
Locus ID:	5892
UniProt ID:	<a href="#">O75771</a>
Cytogenetics:	17q12
Synonyms:	BROVCA4; R51H3; RAD51L3; TRAD



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**Summary:**

The protein encoded by this gene is a member of the RAD51 protein family. RAD51 family members are highly similar to bacterial RecA and *Saccharomyces cerevisiae* Rad51, which are known to be involved in the homologous recombination and repair of DNA. This protein forms a complex with several other members of the RAD51 family, including RAD51L1, RAD51L2, and XRCC2. The protein complex formed with this protein has been shown to catalyze homologous pairing between single- and double-stranded DNA, and is thought to play a role in the early stage of recombinational repair of DNA. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the downstream ring finger and FYVE-like domain containing 1 (RFFL) gene. [provided by RefSeq, Jan 2011]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Homologous recombination

**Product images:**