

RAD51B Human Recombinant

Item Number	rAP-4616
Synonyms	RAD51 homolog B (<i>S. cerevisiae</i>), R51H2, RAD51L1, REC2, DNA repair protein RAD51 homolog 2, Rad51B, RAD51-like protein 1, RAD51B.
Description	RAD51B Human Recombinant produced in <i>E. coli</i> is a single polypeptide chain containing 373 amino acids (1-350) and having a molecular mass of 40.6kDa. RAD51B is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	O15315
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMGSKKLK RVGLSQELCD RLSRHQILTC QDFLCLSPLE LMKVTGLSYR GVHELLCMVS RACAPKMQTA YGIKAQRSAD FSPAFLSTTL SALDEALHGG VAC- GSLTEIT GPPGCGKTQF CIMMSILATL PTNMGGLEGA VVYIDTESAF SAERLVEIAE SRFPRYFNTE EKLLLTSSKV HLYRELTCDL VLQRIESLEE EIISKGIKLV ILDSVASVVR KEFDAQLQGN LKERNKFLAR EASSLKYLAE EFSIPVILTN QITTHLSGAL ASQADLVSPA DDLSELSGTS GSSCVIAALG NTWSHSVNTN LILQYLDSEK RQILIAKSPL APFTSFVYTI KEEGLVLQAY GNS.
Source	<i>Escherichia Coli</i> .
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The RAD51B solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea. Greater than 85% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**