9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

RAD51B Human

RAD51B Human Recombinant
RCP1787

Product Overview

Name	RAD51B Human
Description	
RAD51B Human Recombinant	
Accession (Primary)	O15315
Synonyms	
RAD51 homolog B (S. cerevisiae), R51H2, RAD51L1, REC2, DNA repair protein RAD51 homolog 2, Rad51B, RAD51-like protein 1, RAD51B.	
Introduction	
RAD51 family members are evolutionarily conserved proteins vital for DNA repair by homologous recombination. RAD51B is a part of the RAD51 protein family. RAD51B is involved in the homologous recombination repair (HRR) pathway of double-stranded DNA breaks occurring during DNA replication or induced by DNA-damaging agents. RAD51B forms a stable heterodimer with the family member RAD51C, which interacts with the other family members, such as RAD51, XRCC2, and XRCC3. Overexpression of RAD51B leads to cell cycle G1 delay and cell apoptosis.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The RAD51B solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.	
Stability	
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.	
Purity	
Greater than 85% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MGSKKLK RVGLSQELCD RLSRHQILTC QDFLCLSPLE LMKVTGLSYR GVHELLCMVS RACAPKMQTA YGIKAQRSAD FSPAFLSTTL SALDEALHGG VACGSLTEIT GPPGCGKTQF CIMMSILATL PTNMGGLEGA VVYIDTESAF SAERLVEIAE SRFPRYFNTE EKLLLTSSKV HLYRELTCDE	

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VLQRIESLEE EIISKGIKLV ILDSVASVVR KEFDAQLQGN LKERNKFLAR EASSLKYLAE EFSIPVILTN QITTHLSGAL ASQADLVSPA DDLSLSEGTS GSSCVIAALG NTWSHSVNTR LILQYLDSER RQILIAKSPL APFTSFVYTI KEEGLVLQAY GNS.

Precautions

RAD51B Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O15315)