

X-Ray Repair Cross Complementing Protein 2 Human Recombinant

Item Number	rAP-4106
Synonyms	X-Ray Repair Complementing Defective Repair In Chinese Hamster Cells 2, X-Ray Repair Cross-Complementing Protein 2, RAD51-like, DNA Repair Protein XRCC2.
Description	XRCC2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 303 amino acids (1-280) and having a molecular mass of 34.3 kDa. XRCC2 is fused to a 23 amino acid His-tag at N-terminus.
Uniprot Accession Number	O43543
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMCSAFHR AESGTELLAR LEGRSSLKEI EPNLFAEDS PVHG-DILEFH GPEGTGKTEM LYHLTARCIL PKSEGGLEVE VLFIDTDYHF DMLRLVTILE HRLSQSSEEI IKYCLGRFFL VYCSSSTHLL LTLYSLESMF CSHPSLCLLI LDSLSAFYWI DRVNGGESVN LQESTLRKCS QCLEKLVNDY RLVLFATTQT IMQKASSSE EPSHASRRLC DVDIDYRPYL CKAWQQLVKH RMFF-SKQDDS QSSNQFSLVS RCLKSNSLKK HFFIIGESGV EFC
Source	Escherichia Coli.
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 XRCC2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. Greater than 80% 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**