

32-5258: Recombinant Human X-Ray Repair Cross Complementing Protein 2

Alternative Name : 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

Source : Escherichia Coli. 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. XRCC2 belongs to the RecA/Rad51-related protein family which takes part in homologous recombination to repair DNA damage and preserve chromosome stability. XRCC2 gene participates in the mending of DNA double-strand disruptions by homologous recombination. Additionally, XRCC2 functionally complements Chinese hamster irs1, a repair-deficient mutant which displays hypersensitivity to diverse DNA-damaging agents.

Product Info

Amount : 20 µg
Purification : Greater than 80% as determined by SDS-PAGE.
Content : The XRCC2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Storage condition : 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.
Amino Acid : MGSSHHHHHH SGLVPRGSH MGSMCSAFHR AESGTELLAR LEGRSSLKEI EPNLFADEDS
PVHGDILEFH GPEGTGKTEM LYHLTARCIL PKSEGGLEVE VLFIDTDYHF DMLRLVTILE
HRLSQSSEEI IKYCLGRFFL VYCSSSTHLL LTLYSLES MF CSHP SLCLLI LDSLSAFYWI
DRVNGGESVN LQESTLRKCS QCLEKLVNDY RLVLFATTQT IMQKASSSSE EPSHASRRLC
DVDIDYRPYL CKAWQQLVKH RMFFSKQDDS QSSNQFSLVS RCLKSNLKK HFFIIGESGV EFC

