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

XRCC2 Human

X-Ray Repair Cross Complementing Protein 2 Human Recombinant
RCP2591

Product Overview

Name	XRCC2 Human

Description

X-Ray Repair Cross Complementing Protein 2 Human Recombinant

Accession (Primary)	O43543

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.

Introduction

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

The XRCC2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

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 80% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MCSAFHR AESGTELLAR LEGRSSLKEI EPNLFADEDS PVHGDILEFH GPEGTGKTEM LYHLTARCIL PKSEGGLEVE VLFIDTDYHF DMLRLVTILE HRLSQSSEEI IKYCLGRFFL VYCSSSTHLL LTLYSLESMF CSHPSLCLLI LDSLSAFYWI DRVNGGESVN LQESTLRKCS QCLEKLVNDY RLVLFATTQT IMQKASSSSE EPSHASRRLC DVDIDYRPYL CKAWQQLVKH RMFFSKQDDS QSSNQFSLVS

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RCLKSNSLKK HFFIIGESGV EFC

Precautions

XRCC2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O43543)