

Product datasheet for **TP308330**

XRCC2 (NM_005431) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human X-ray repair complementing defective repair in Chinese hamster cells 2 (XRCC2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208330 protein sequence Red =Cloning site Green =Tags(s)

MCSAFHRAESGTELLARLEGRSSLKEIEPNLFADEDSPVHGDILEFHGPEGTGKTEMLYHLTARCILPKS
EGGLEVEVLFIDTDYHFDMLRLVTILEHRLSQSSEIHKYCLGRFFLVYCSSSTHLLLTLYSLES MFCSH
PSLCLLLDLSAFYWIDRVNGGESVNLQESTLRKCSQCLEKLVNDYRLVLFATTQTIMQKASSSSEEPS
HASRRLCDVDIDYRPLYCKAWQQLVKHRMFFSKQDDSQSSNQFSLVSRCLKSNLKKHFFIIGESGVEFC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	31.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005422
Locus ID:	7516



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UniProt ID: [O43543](#), [A0A384MEK2](#)

RefSeq Size: 3094

Cytogenetics: 7q36.1

RefSeq ORF: 840

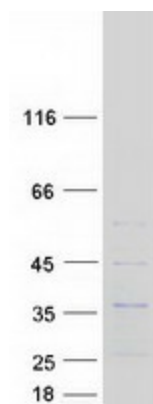
Synonyms: FANCU; POF17; SPGF50

Summary: This gene encodes a member of the RecA/Rad51-related protein family that participates in homologous recombination to maintain chromosome stability and repair DNA damage. This gene is involved in the repair of DNA double-strand breaks by homologous recombination and it functionally complements Chinese hamster *irs1*, a repair-deficient mutant that exhibits hypersensitivity to a number of different DNA-damaging agents. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Homologous recombination

Product images:



Coomassie blue staining of purified XRCC2 protein (Cat# TP308330). The protein was produced from HEK293T cells transfected with XRCC2 cDNA clone (Cat# [RC208330]) using MegaTran 2.0 (Cat# [TT210002]).