

Product datasheet for TP523996

Xrcc2 (NM_020570) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse X-ray repair complementing defective repair in Chinese hamster cells 2 (Xrcc2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR223996 representing NM_020570 Red =Cloning site Green =Tags(s) MCSDFRRAESGTELLARLEGRSSLKELEPNLFADEDSPVHGDIFEFHGPEGTGKTEMLYHLTARCILPKS EGGLQIEVLFDITDYHFDMLRLVTVLEHRLSQSSEEAMKLCCLARFLAYCSSSMQLLLTLHSLEALLCSR PSLCLLIVDSLSSFYWIDRVSGGESVALQESTLQKCSQLLERLVTEYRLLLFAATTQSLMQKGSADSADGPS SSKHPCDGDMDGYRAYLCKAWQRVVKHRVIFSRDDEAKSSRFSLVSRHLKSNLSLKKHSFMVRESGVEFC TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	31.4 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
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 after receiving vials.
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_065595
Locus ID:	57434
UniProt ID:	Q9CX47



[View online »](#)

RefSeq Size: 3230

Cytogenetics: 5 B1

RefSeq ORF: 834

Synonyms: 4921524O04Rik; 8030409M04Rik; RAD51; RecA

Summary: Involved in the homologous recombination repair (HRR) pathway of double-stranded DNA, thought to repair chromosomal fragmentation, translocations and deletions. Part of the Rad21 paralog protein complex BCDX2 which acts in the BRCA1-BRCA2-dependent HR pathway. Upon DNA damage, BCDX2 acts downstream of BRCA2 recruitment and upstream of RAD51 recruitment. BCDX2 binds predominantly to the intersection of the four duplex arms of the Holliday junction and to junction of replication forks. The BCDX2 complex was originally reported to bind single-stranded DNA, single-stranded gaps in duplex DNA and specifically to nicks in duplex DNA (By similarity).[UniProtKB/Swiss-Prot Function]