

Product datasheet for **TP504755**

Xrcc4 (NM_028012) 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 4 (Xrcc4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204755 protein sequence Red =Cloning site Green =Tags(s)
	<p>MERKVSRIYLASEPNVPYFLQVSWERAIGSGFVITLTDGHSAWTATVSELEISQEADDMAMEKGKYIDEL RKALVPGSGAAGTYKFLFSKESQHFSLEKELKDVSRFLGFSNLDKVSNSAEVIRELICyclDTITEKQAK NEHLQKENERLLRDWQGRFEKCVSAKEALEADLYQRFILVLNEKTKIRSLHKLLNEVQLEESTKP ERENPCSDKTPEEHGLYDGGSTDEESGAPVQAAETLHKDDSIFFSSPDVTDIAPSRKRRHRMQKNLGTPEPKM APQELPLQEKERLASSLPQTLKEESTSAENMSLETLRNSSPEDLFD</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	37.1 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_082288
Locus ID:	108138
UniProt ID:	Q924T3 , A0A0R4I024



[View online »](#)

RefSeq Size:	1557
Cytogenetics:	13 C3
RefSeq ORF:	981
Synonyms:	2310057B22Rik; AW413319; AW545101
Summary:	<p>Involved in DNA nonhomologous end joining (NHEJ) required for double-strand break repair and V(D)J recombination. Binds to DNA and to DNA ligase IV (LIG4). The LIG4-XRCC4 complex is responsible for the NHEJ ligation step, and XRCC4 enhances the joining activity of LIG4. Binding of the LIG4-XRCC4 complex to DNA ends is dependent on the assembly of the DNA-dependent protein kinase complex DNA-PK to these DNA ends (By similarity). [UniProtKB/Swiss-Prot Function]</p>