

## Recombinant Mouse Xrcc3 Protein, His-tagged

**Cat. No.** Xrcc3-599M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Xrcc3 Protein (Met1-His224) with N-His tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-His224
<b>Description</b>	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 functionally complements Chinese hamster irs1SF, a repair-deficient mutant that exhibits hypersensitivity to a number of different DNA-damaging agents and is chromosomally unstable. Allelic variants in the human gene are associated with susceptibility to breast cancer and cutaneous malignant melanoma.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 28.5 kDa Accurate Molecular Mass: 26 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Xrcc3 X-ray repair complementing defective repair in Chinese hamster cells 3 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Xrcc3</a>
<b>Synonyms</b>	XRCC3; X-ray repair complementing defective repair in Chinese hamster cells 3; DNA repair protein XRCC3; X-ray repair cross-complementing protein 3; AI182522; AW537713; 4432412E01Rik
<b>Gene ID</b>	<a href="#">74335</a>
<b>mRNA Refseq</b>	<a href="#">NM_028875</a>
<b>Protein Refseq</b>	<a href="#">NP_083151</a>
<b>UniProt ID</b>	<a href="#">Q9CXE6</a>

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