Recombinant Mouse Xrcc3 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Xrcc3 Protein (Met1-His224) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-His224
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.5 kDa Accurate Molecular Mass: 26 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Xrcc3 X-ray repair complementing defective repair in Chinese hamster cells 3 [Mus musculus (house mouse)]
Official Symbol	Xrcc3
Synonyms	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
Gene ID	74335
mRNA Refseq	NM_028875
Protein Refseq	NP_083151
UniProt ID	Q9CXE6

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