

## Recombinant Mouse Rad51b Protein (Met121-Pro350), N-His tagged

Cat. No. Rad51b-6781M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse Rad51b (Met121-Pro350) fused with the N-terminal His tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met121-Pro350
<b>Description</b>	Predicted to enable ATP-dependent activity, acting on DNA; double-stranded DNA binding activity; and single-stranded DNA binding activity. Predicted to contribute to four-way junction DNA binding activity. Acts upstream of or within blastocyst growth; positive regulation of cell population proliferation; and somite development. Predicted to be located in nucleus. Predicted to be part of Rad51B-Rad51C-Rad51D-XRCC2 complex. Predicted to be active in replication fork. Is expressed in cranial ganglion; dorsal root ganglion; neural retina; and ventral grey horn. Orthologous to human RAD51B (RAD51 paralog B).
<b>Form</b>	Lyophilized powder
<b>Molecular Mass</b>	26.3 kDa
<b>Purity</b>	> 90 % as determined by SDS-PAGE

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<b>Notes</b>	For research use only.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
<b>Storage Buffer</b>	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
<b>Shipping</b>	They are shipped out with blue ice unless customers require otherwise.

## GENE INFORMATION

<b>Gene Name</b>	Rad51b RAD51 paralog B [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Rad51b
<b>Synonyms</b>	Rad51b; RAD51 paralog B; R51H2; mREC2; Rad51I1; DNA repair protein RAD51 homolog 2; RAD51 homolog B; RAD51-like protein 1
<b>Gene ID</b>	19363
<b>mRNA Refseq</b>	NM_001252562
<b>Protein Refseq</b>	NP_001239491
<b>UniProt ID</b>	O35719

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