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

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

SPECIFICATION

Product Overview	Recombinant mouse Rad51b (Met121-Pro350) fused with the N-terminal His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met121-Pro350
Description	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).
Form	Lyophilized powder
Molecular Mass	26.3 kDa
Purity	> 90 % as determined by SDS-PAGE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	For research use only.
Storage	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.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Shipping	They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	Rad51b RAD51 paralog B [Mus musculus (house mouse)]
Official Symbol	Rad51b
Synonyms	Rad51b; RAD51 paralog B; R51H2; mREC2; Rad51l1; DNA repair protein RAD51 homolog 2; RAD51 homolog B; RAD51-like protein 1
Gene ID	19363
mRNA Refseq	NM_001252562
Protein Refseq	NP_001239491
UniProt ID	O35719

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