

Recombinant Mouse Nabp2 Protein, Myc/DDK-tagged

Cat. No. Nabp2-4276M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length nucleic acid binding protein 2 (Nabp2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Component of the SOSS complex, a multiprotein complex that functions downstream of the MRN complex to promote DNA repair and G2/M checkpoint. In the SOSS complex, acts as a sensor of single-stranded DNA that binds to single-stranded DNA, in particular to polypyrimidines. The SOSS complex associates with DNA lesions and influences diverse endpoints in the cellular DNA damage response including cell-cycle checkpoint activation, recombinational repair and maintenance of genomic stability. Required for efficient homologous recombination-dependent repair of double-strand breaks (DSBs) and ATM-dependent signaling pathways.
Molecular Mass	22.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Nabp2 nucleic acid binding protein 2 [Mus musculus (house mouse)]

Official Symbol Nabp2

Synonyms Nabp2; nucleic acid binding protein 2; Na; SS; SSB1; Obfc2; Obfc2b; 2610036N15Rik; SOSS complex subunit B1; SOSS-B1; oligonucleotide/oligosaccharide-binding fold containing 2B; oligonucleotide/oligosaccharide-binding fold-containing protein 2B; sensor of single-strand DNA complex subunit B1; sensor of ssDNA subunit B1; single-stranded DNA-binding protein 1

Gene ID 69917

mRNA Refseq NM_027257

Protein Refseq NP_081533

UniProt ID Q8R2Y9

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