

Product datasheet for **MC204052**

Nabp2 (NM_027257) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nabp2 (NM_027257) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nabp2
Synonyms: 2610036N15Rik; Obfc2b; SSB1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC026942
 CAGCCCCCTGGCTCCCCCTGCGGGTGGCTCGGCGGTGTGCACAGTCCGGCCTGCTGGCTGGCGGGTGGCC
 ACGGCTCGGGAAGCATGACGACCGAGACCTTCGTGAAGGATATCAAGCCCGGGCTCAAGAATCTGAATCT
 TATCTTATTGTACTGGAGACAGCCGGGTGACCAAGACAAGGACGGACACGAGTTTCGGACCTGTAAA
 GTGGCAGACAAAACGGGAGCATCAACATCTCAGTATGGGACGATGTGGGCAACCTGATCCAACCTGGGG
 ACATTATCCGACTCACCAAAGGTATGCTTCAGTGTCAAAGGTTGTCTGACACTGTACACTGGCCGTGG
 GGGCGATCTGCAGAAGATTGGAGAATTCTGTATGGTTTTATTCCGAAGTCCCTAATTTTCAGTGAGCCCAAT
 CCAGAGTATAACACGCAGCAGGCCGCCAACAAATCGGTGCAGAACAATGACAACAGCCCTACTGCCCCAC
 AAGCGACCACGGGACCCCTGCTGCCTTCCAGCTTCCGAGAACCAGAACGGAAATGGACTGAGCACCCA
 GCTAGGTCCTGTGGTGGCCCCATCCTTCTCACACCCCTCACATCCCCCAGCACCCGAATCACTCGA
 AGTCAACCAACACACGCCTTCCGGCCCTCCTGGCCCTCCAGCAACCCTGTCAGCAACGGCAAAGAAA
 CCCGAAGAAGCAGCAAGAGATAGCAAGAGATGAGTCTCTCTTCCCTTCCACCACAACCATGATCCAGGCG
 TCTCTGCCAGAGAACAAGACAGTCTTATCAGGCTGCTGGCTTTGGGATTAGAGGATAAAGTAGCTGTG
 TTTTAGCCACTAAATTTCCCTGGAGGGTTGGAAGCAGCAGCCTTATCCACCTCAAACCTACGCCCCACC
 CCACCCCTGTCTGCTGATGCTGTCTATCCCTGGGATCCAGGGTCTCTGCCTGCCCTCCTTTGGAAAA
 GACAGTGTGGTTTTGTGTGGGAAATAAGGGTCTAACTGAAATCCCTCCTTCTAATAAATGTTCCCACT
 CAAA

Restriction Sites: RsrII-NotI

ACCN: NM_027257

Insert Size: 639 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>BC026942</u> , <u>AAH26942</u>
RefSeq Size:	1106 bp
RefSeq ORF:	639 bp
Locus ID:	69917
UniProt ID:	<u>Q8R2Y9</u>
Cytogenetics:	10 D3
Gene Summary:	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 (By similarity).[UniProtKB/Swiss-Prot Function]