

Product datasheet for **MC206241**

Sod1 (BC048874) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sod1 (BC048874) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sod1
Synonyms:	SODC, CuZnSOD, Cu/Zn-SOD
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC048874
GCCAGGGCCTCGTTTTTTTGC GCGGTCTTTCTGCGGCGCTCCGTCGGTCTCGTCTTGCTC
TCTCTGGTCCCTCCGAGGAGGCCGCGCGTCTCCCGGGAAGCATGGCGATGAAAGCGGTGTGCGTG
CTGAAGGCGACGGTCCGGTGCAGGGAACCATCCACTTCGAGCAGAAGGCAAGCGGTGAACCAAGTGTGT
TGTGAGGACAAATTACAGGATTAAGTGAAGGCCAGCATGGTTCCACGTCCATCAGTATGGGACAATAC
ACAAGGCTGTACCAAGTGCAGGACCTCATTTAATCCTCACTCTAAGAAACATGGTGGCCCGCGGATGAA
GAGAGGCATGTTGGAGACCTGGCAATGTGACTGCTGAAAGGACGGTGTGGCAATGTGTCCATTGAAG
ATCGTGTGATCTCACTCTCAGGAGAGCATTCCATCATTGGCCGTACAATGGTGGTCCATGAGAAACAAGA
TGACTTGGGCAAAGGTGAAATGAAGAAAGTACAAAGACTGAAATGCTGGGAGCCGCTTGGCCTGTGGA
GTGATTGGGATTGCGCAGTAAACATTCCCTGTGTGGTCTGAGTCTCAGACTCATCTGCTACCCTCAAACC
ATTAAACTGTAATCTGAAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI

ACCN: BC048874

Insert Size: 465 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).

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).



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Reconstitution Method:

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: [BC048874](#), [AAH48874](#)

RefSeq Size: 661 bp

RefSeq ORF: 465 bp

Locus ID: 20655

Cytogenetics: 16 51.56 cM

Gene Summary: Destroys radicals which are normally produced within the cells and which are toxic to biological systems.[UniProtKB/Swiss-Prot Function]