

Product datasheet for RN203116

Sod1 (NM_017050) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sod1 (NM_017050) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sod1
Synonyms:	CuZnSOD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN203116 representing NM_017050 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGATGAAGGCCGTGTGCGTGCTGAAGGGCGACGGTCCGGTGCAGGGCGTCATTCACCTCGAGCAGA
AGGCAAGCGGTGAACCAGTTGTGGTGTCAGGACAGATTACAGGATTAAGTGAAGGCGAGCATGGTTCCA
TGTCATCAATATGGGGACAATACACAAGGCTGTACCACTGCAGGACCTCATTTAATCCTCACTCTAAG
AAACATGGCGGTCCAGCGGATGAAGAGAGGCATGTTGGAGACCTGGGCAATGTGGCTGCTGGAAAGGACG
GTGTGGCCAATGTGTCCATTGAAGATCGTGTGATCTCACTCTCAGGAGAGCATTCCATCATTGGCCGTAC
TATGGTGGTCCACGAGAAACAAGATGACTTGGGCAAAAGGTGAAATGAAGAAAGTACAAAGACTGAAAT
GCTGGAAGCCGCTTGGCTTGTGGTGTGATTGGGATTGCCCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_017050
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).



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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>NM_017050.1</u> , <u>NP_058746.1</u>
RefSeq Size:	650 bp
RefSeq ORF:	465 bp
Locus ID:	24786
UniProt ID:	<u>P07632</u>
Cytogenetics:	11q11
Gene Summary:	catalyzes the conversion of superoxide to hydrogen peroxide and molecular oxygen; involved in response to oxidative stress [RGD, Feb 2006]