OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RN213719

Sod2 (NM_017051) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sod2 (NM_017051) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sod2
Synonyms:	MnSOD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN213719 representing NM_017051 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTTGTGTCGGGCGGCGTGCAGCGCGGGCAGAAGACTGGGCCCCGCGGCCAGTACCGCGGGCTCCCGGC ACAAGCACAGCCTCCCTGACCTGCCTTACGACTATGGCGCGCTGGAGCCGCACATTAACGCGCAGATCAT GCAGCTGCACCACAGCAAGCACCACGCGACCTACGTGAACAATCTGAACGTCACCGAGGAGAAGTACCAC GAGGCGCTGGCCAAGGGAGATGTTACAACTCAGGTTGCTCTTCAGCCTGCACTGAAGTTCAATGGCGGGG GCCATATCAATCACAGCATTTTCTGGACAAACCTGAGCCCTAAGGGTGGTGGAGAACCCAAAGGAGAGTT GCTGGAGGCTATCAAGCGTGACTTTGGGTCTTTTGAGAAGTTTAAGGAGAAACTGACAGCTGTGTCTGTG GGAGTCCAAGGTTCAGGCTGGGGCTGGCTTGGCTTCAATAAGGAGCAAGGTCGCTTACAGATTGCCGCCT GCTCTAATCAGGACCCACTGCAAGGAACCACAGGCCTTATTCCACTGCTGGGGATTGATGTGTGGGAGCA CGCTTACTATCTTCAGTATAAAAACGTCAGACCTGACTATCTGAAAGCCATTTGGAATGTAATCAACTGG GAGAATGTTAGCCAAAGATACATAGTTTGCAAGAAGTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_017051
Insert Size:	669 bp

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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).
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:	NM_017051.2, NP_058747.1
RefSeq Size:	2090 bp
RefSeq ORF:	669 bp
Locus ID:	24787
UniProt ID:	P07895
Cytogenetics:	1q11
Gene Summary:	manganese superoxide dismutase; intramitochondrial free radical scavenging enzyme [RGD, Feb 2006]

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