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 SC209718

SOD2 (NM_000636) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SOD2 (NM_000636) Human 3' UTR Clone
Symbol:	SOD2
Synonyms:	GClnc1; IPO-B; IPOB; Mn-SOD; MNSOD; MVCD6
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000636
Insert Size:	802 bp
Insert Sequence:	>SC209718 3' UTR clone of NM_000636 The sequence shown below is from the reference sequence of NM_000636. The complete sequence of this clone may contain minor differences, such as SNPs. Red=Cloning site Blue=Stop Codon CAATTGGCAGAGCTCAGAATTCAAGCGATCGC GGAGAATGTAACTGAAAGATACATGGCTTGCAAAAAG**TAA**ACCACGATCGTTATGCTGAGTATGTTAAGC TCTTTATGACTGTTTTTGTAGTGGTATAGAGTACTGCAGAATACAGTAAGCTGCTCTATTGTAGCATTTC TTGATGTTGCTTAGTCACTTATTTCATAAACAACTTAATGTTCTGAATAATTTCTTACTAAACATTTTGT TATTGGGCAAGTGATTGAAAATAGTAAATGCTTTGTGTGATTGAATCTGATTGGACATTTTCTTCAGAGA GCTAAATTACAATTGTCATTTATAAAACCATCAAAAATATTCCATCCATATACTTTGGGGACTTGTAGGG ATGCCTTTCTAGTCCTATTCTATTGCAGTTATAGAAAATCTAGTCTTTTGCCCCAGTTACTTAAAAATAA AATATTAACACTTTCCCAAGGGAAACACTCGGCTTTCTATAGAAAATTGCACTTTTTGTCGAGTAATCCT CTGCAGTGATACTTCTGGTAGATGTCACCCAGTGGTTTTTGTTAGGTCAAATGTTCCTGTATAGTTTTTG CAAATAGAGCTGTATACTGTTTAAATGTAGCAGGTGAACTGAACTGGGGTTTGCTCACCTGCACAGTAAA GGCAAACTTCAACAGCAAAACTGCAAAAAGGTGGTTTTTGCAGTAGGAGAAAGGAGGATGTTTATTTGCA GGGCGCCAAGCAAGGAGAATTGGGCAGCTCATGCTTGAGACCCAATCTCCATGATGACCTACAAGCTAGA GTATTTAAAGGCAGTGGTAAATTTCAGGAAAG ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG
Restriction Sites:	SgfI-MluI

View online »

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_000636.2

Summary: This gene is a member of the iron/manganese superoxide dismutase family. It encodes a mitochondrial protein that forms a homotetramer and binds one manganese ion per subunit. This protein binds to the superoxide byproducts of oxidative phosphorylation and converts them to hydrogen peroxide and diatomic oxygen. Mutations in this gene have been associated with idiopathic cardiomyopathy (IDC), premature aging, sporadic motor neuron disease, and cancer. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome 1. [provided by RefSeq, Apr 2016]

Locus ID: 6648