

Product datasheet for **RN201179**

Sod3 (NM_012880) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sod3 (NM_012880) Rat Untagged Clone
Tag: Tag Free
Symbol: Sod3
Synonyms: ECSODPT
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN201179 representing NM_012880
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTGGCCTTCTGTTCTGCAACCTGCTACTGGTGGCCTGTGGCTCTGTCACCTGGACCATGTCAGATA
CCGGAGAGTCCGGTGTGACTTAGCAGACCGGCTTGACCTGGTTGAGAAGATAGGCGACACGCACTCCAA
AGACCTGGAGATCTGGATGGAGCTAGGAAAACAACGGGAGCGGATGCCAGGGAGATGCACGCAGTCTGC
AGGGTACAGCCCTCAGCCATGCTGCCTCCCGATCAGCCACAGATCACAGGCTTGGTCTCTCCGGCAGC
TGGGGCCAGCTCCAGACTTGAGGCCTCCTTCAATCTGGAGGGCTTCCCAGCCGAGCAGAACACCTCCAA
CCACGCCATCCACGTGCATGAGTTCGGGGACCTGAGCCAGGGCTGCGAGTCCACCGGACCACACTACAAC
CCGCTGGGTGTGCCGACCCACAGCACCCGGGGACTTCGGCAACTTCGTGGTGCAGATGGCCGCCTTT
GGAAGCATCGAATGGCCCTGGCCACGTCACTGGCCGACCGCACTCGATCTTGGCCCGCTGTGGTGGT
CCACGCTGGCGAGGACGACCTGGGTAAGGTGGCAACCAGGCCAGCGTGCAGAACGGCAACGCAGGTCCG
CGGCTCGCCTGCTGCGTGGTAGGCACCAGCAACTCGGAGGCTGGGAGAGCCAGACAAAGGAGCGCAAGA
AGCGGCGCGGGAGAGCGAGTGAAGACCACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_012880
Insert Size: 735 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:	<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:	NM_012880.1 , NP_037012.1
RefSeq Size:	1729 bp
RefSeq ORF:	735 bp
Locus ID:	25352
UniProt ID:	Q08420
Cytogenetics:	14q11
Gene Summary:	catalyzes the conversion of superoxide to hydrogen peroxide and molecular oxygen [RGD, Feb 2006]