

Product datasheet for **RR201179**

Sod3 (NM_012880) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sod3 (NM_012880) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sod3
Synonyms: ECSODPT
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201179 representing NM_012880
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGTGGCCTTCTGTTCTGCAACCTGCTACTGGTGGCCTGTGGCTCTGTACCTGGACCATGTCAGATA
CCGGAGAGTCCGGTGTGCGACTTAGCAGACCGGCTTGACCTGGTTGAGAAGATAGGCGACACGCACTCCAA
AGACCTGGAGATCTGGATGGAGCTAGGAAAACAACGGGAGCGGATGCCAGGGAGATGCACGCAGTCTGC
AGGGTACAGCCCTCAGCCATGCTGCCTCCCGATCAGCCACAGATCACAGGCTTGGTCTCTCCGGCAGC
TGGGGCCAGCTCCAGACTTGAGGCCTCCTTCAATCTGGAGGGCTTCCCAGCCGAGCAGAACACCTCCAA
CCACGCCATCCACGTGCATGAGTTCGGGGACCTGAGCCAGGGCTGCGAGTCCACCGGACCACACTACAAC
CCGCTGGGTGTGCCGACCCACAGCACCCGGGGACTTCGGCAACTTCGTGGTGCAGATGGCCGCCTTT
GGAAGCATCGAATGGCCCTGGCCACGTCACTGGCCGACCGCACTCGATCTTGGCCCGCTGTGGTGGT
CCACGCTGGCGAGGACGACCTGGGTAAGGTGGCAACCAGGCCAGCGTGCAGAACGGCAACGCAGGTCCG
CGGCTCGCCTGCTGCGTGGTAGGCACCAGCAACTCGGAGGCTGGGAGAGCCAGACAAAGGAGCGCAAGA
AGCGGCGCGGAGAGCGAGTGAAGACCACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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
MW:	26.6 kDa
Gene Summary:	catalyzes the conversion of superoxide to hydrogen peroxide and molecular oxygen [RGD, Feb 2006]