

## Product datasheet for **MC206276**

### Sod3 (BC010975) Mouse Untagged Clone

#### Product data:

|                           |                                      |
|---------------------------|--------------------------------------|
| Product Type:             | Expression Plasmids                  |
| Product Name:             | Sod3 (BC010975) Mouse Untagged Clone |
| Tag:                      | Tag Free                             |
| Symbol:                   | Sod3                                 |
| Synonyms:                 | EC-SOD, MGC13799                     |
| Mammalian Cell Selection: | Neomycin                             |
| Vector:                   | PCMV6-Kan/Neo (PCMV6KN)              |
| E. coli Selection:        | Kanamycin (25 ug/mL)                 |

Fully Sequenced ORF: >BC010975  
 CCACGCGTCCGCTGGGTGCTGGCCTGAACTTCACCAGAGGGAAAGAGCTCTTGGGAGAGCCTGACAGGTG  
 CAGAGAACCCTCAGCCATGTTGGCCTTCTGTTCTACGGCTTGCTACTGGCGCCTGTGGCTGTGACCA  
 TGTGAGATCCAGGGGAGTCCAGCTTCGACCTAGCAGACAGGCTTGACCCGTTGAGAAGATAGACAGGCT  
 TGACCTGTTGAGAAGATAGGCGACACGCATGCCAAAGTCTGGAGATCTGGATGGAGCTAGGACGACGA  
 AGGGAGGTGGATGCTGCCGAGATGCATGCAATCTGCAGGGTACAACCATCAGCCACGCTGCCACCGGATC  
 AGCCACAGATCACCAGCTGGTTCTCTCCGGCAGCTGGGGCCGGCTCCAGGCTTGAGGCTATTTGAG  
 TCTGGAGGGCTCCAGCTGAGCAGAACGCCTCCAACCGTCCATCCACGTGCATGAGTTCGGGGACCTG  
 AGCCAGGGCTGCGATTCCACCGGCCCGACTACAACCCGATGGAGGTGCCGACCCTCAGCACCCGGGCG  
 ACTTTGGCAACTTCGTGGTGCACAACGGCCAGCTCTGGAGGCATCGCGTCCGCTGACCCGCTCGTGGC  
 CGGACCGCACTCCATCTGGGCCGCTCTGTGGTGGTCCACGCCGCGAGGACGACCTGGGTAAGGTGGC  
 AACCCAGGCCAGCCTGCAGAACGGCAATGCAGGTGCCCGGCTCGCCTGCTGCGTGGTAGGCCACCAGCAGCT  
 CCGCCGCTGGGAGAGCCAGACAAGGAGCGCAAGAGCGGCGGGGAGAGCGAGTGCAAGACCACTTA  
 AGCCTCACTCGGGGCTCCGAGCCAGCCGCTGCACGCATAGATGTCTCCAGGCGCCCCAGACGCTCT  
 AGTCACCCAGAGGCTCTAGGGCTCTAGACAGAGGCTCCAGACACCTCAGTCGCTCTGCGCTTCC  
 ATGCACGCCAGACACCTCTATGGCCCCAGATGCCTCCACGAAACTCCGCGCACCCAGATGTTCTCC  
 CATGTCCCGGACACCGTTCCTCTGTGTCCAGGACACCTTAGTTAATTCAGAAATCTTTTCATGCCCTATG  
 CACTTCCACAGACCCAGATCCTTAATGCTCTAGATCCATCCGAGCCCTTTGTGTCCCAAGACAATCCC  
 ACAAGCCCCTAGTCTTTGAGTCTGCTCTCAGAGAACCCCTCTTCTCCAGAGATCGCATGTGCTCAG  
 ATACTCTCTCTGAGGACTTCCAGTGCACACCTTTGAGAGTACTCCCTTGGGGTATACTGAAATAT  
 CGCCACCCCATTTCTCTGCCCCCTTTGTTTTCTTCTGTCCCATAGCACCCGAGACTCCTCTCTT  
 CCCTAGAGACCTTTTTTTCTTCCCTTTGTTCTCCAAGGCGCTCTGGGACCACTCTGACACCCACCC  
 CCACCCCAAGTTCATGTTCCCGATCACCTCCTGCAGAGGCCCCAGGTTCTGTTTTCTGTTTCCCA  
 TATGGTGCCTGCACCCAGGGAGAGCAGCTCCTTAGAGAGATTTGGGAACCTTTATGTTGCTCATT  
 AAAACATAGCAATTCACAACACAAAAAAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI



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|                               |   |
|-------------------------------|---|
| <b>ACCN:</b>                  | BC010975  |
| <b>Insert Size:</b>           | 756 bp  |
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">BC010975</a> , <a href="#">AAH10975</a>   |
| <b>RefSeq Size:</b>           | 1649 bp   |
| <b>RefSeq ORF:</b>            | 756 bp  |
| <b>Locus ID:</b>              | 20657   |
| <b>Cytogenetics:</b>          | 5 27.92 cM  |
| <b>Gene Summary:</b>          | Protect the extracellular space from toxic effect of reactive oxygen intermediates by converting superoxide radicals into hydrogen peroxide and oxygen.[UniProtKB/Swiss-Prot Function]  |