

## Product datasheet for **RN213088**

### Suox (NM\_031127) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Suox (NM_031127) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Suox
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213088 representing NM\_031127  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGCTGCCTCGGTATACAGATCTGTGGCTGTGGGGCTTCGCGGGCCATCAGAGCCAAGTCAACCCCT  
 TGAGACTCTGCATTCAAGCATGTTCTCAAGTGAAGTCACTTAAGCCGAGCATCCCAGCCTCACCTTTTC  
 TGATGATAACTCAAGGACTCGGGGATGAAAGTATGGGGACCCTGATAGGCCTTGGTGCCTGTGGCC  
 TATCATGACCATCGGTGTAGGGCTTCTCAGGAGTACCACGGATATACTCTAAAGAGGATGTGCGTTCTC  
 ACAACAACCTTCAAAGTCTGGGTAAGTCTAGGCTCTGAGGCTTTTATGTCACAAAATTTGTGGA  
 CCTGCATCCAGGAGGACAATCAAAGTCTGAGTCTAGGCTCTGAGGCTCCCCTAGAACCCTTCTGGGCCCTC  
 TATGCTGTTCAACAACAGCCCCATGTACGTGAGTACTGGCTGAGTATAAGATTGGGGAGCTGAACCCCG  
 AAGATAGAATGTCCCCTCCCTTGGAGGCCCTGACCCTTATTCCAATGACCCTATGCGTCATCCAGCCCT  
 GAGGATTAATAGCCAGCGCCCTTTAATGCAGAGCCTCCTCTGAACTGCTTACAGAAAGCTACATCACA  
 CCAAACCTATTTTCTTTACCCGGAACCATCTGCCTGTACCTAACCTGGACCCAGACACCTATCGCTTGC  
 ATGTAGTAGGGGACCTGGAGGTCAGTCGCTCTCTCTCCTTGGATGATTTGCATAAGTCCCAAACA  
 TGAGGTCACTGTCACTCTGCAGTGTGCTGGTAACCGGCGCTCGGAGATGAATAAGGTCAAGGAAGTGAAA  
 GGTCTGGAGTGGAGAACAGGGGCCATCAGCACGGCAGCTGGGCCGGGACGGCTCTGTGATGTCTTAG  
 CCCAGGCTGGTCAACGACTCCGTGAAACCGAGGCCATGTCTGTTTTGAAGGACTGGATTCAGACCCAC  
 TGGAACTGCCTATGGGGCATCCATCCCTCTGGCTCGGGCCATGGATCCCCAAGCCGAGGCTCCTCTGGCT  
 TATGAGATGAATGGTCAAGTGGTTGGGCAGAGTGAAGTGGAGTCAAGGAAAGTTATAGTCACTGGCA  
 GAGGCGGGATTACAAGGCTTTTCTCCATCTGTGGACTGGGACACTGTAGACTTTGATCTAGCCCCATCA  
 ATTCAGGAACTACCCATCCAGTCAAGTATCACACAGCCTCAAGATGGGACGACTGTAGAATCAGGAGAGG  
 TGATTACAAGGCTATGCATGGAGTGGTGGTGGTAGGGCTGTGATTCGAGTGGATGTGTCTATGGATGG  
 TGGACTGACCTGGCAGGAAGCTGAGCTGGAGGGAGAGGAACAGCATCCCAGGAAGGCTGGGCTTGGCGA  
 ATATGGCAGTTGAAAGCTCACGTGCCAGCTGAGCAGAAGGAATTGAACATCATTGTAAAGCGGTAGATG  
 ACAGTTACAACGTGCAGCCAGACTGTGGCCCAATCTGGAACCTTCGAGGCGTCTCAGCAATGCCTG  
 GCACCGTGTCCACGTTCCAGTGGTTCCATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_031127

**Insert Size:** 1641 bp

**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\\_031127.3](#), [NP\\_112389.3](#)

**RefSeq Size:** 2184 bp

**RefSeq ORF:** 1641 bp

**Locus ID:** 81805

**UniProt ID:** [Q07116](#)

**Cytogenetics:** 7q11

**Gene Summary:** catalyzes the oxidation of sulfite to sulfate; activity requires a molybdenum cofactor [RGD, Feb 2006]