

## Product datasheet for **RR205384**

### Sord (NM\_017052) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sord (NM_017052) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sord
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205384 representing NM_017052 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGCTCCTGCTAAGGGCGAGAACCTGTCCTCGTGGTGCACGGACCTGGAGACATTCGCCTGGAGA  
ACTACCCAATCCCTGAGCTGGGCCAAAATGATGTGTTACTAAAGATGCATTCGGTGGGGATCTGTGGCTC  
GGATGTTCACTACTGGGAGCATGGCCGAATTGGGGACTTCGTTGTGAAAAAGCCAATGGTCTGGGCAT  
GAAGCTGCTGGAACAGTCAAAAAGTGGGACCGATGGTGAACATCTAAAACCAGGAGATCGGGTGGCCA  
TCGAGCCTGGCGTTCCTCCGAGAAATAGATGAATTCTGCAAGATCGGCCGATACAATCTGACGCCATCCAT  
CTTCTTCTGTGCCACGCCCCAGATGATGGGAACCTCTGCCGCTTCTACAAGCACAGCGCTGACTTCTGC  
TACAAGCTTCTGATAGTGTACCTTTGAAGAAGGGCCCTGATTGAGCCTCTCTGTGGGGATCTATG  
CCTGCCGTCGAGGTTTCGGTTTCCCTGGGAACAAGGTCCTTGTGTGTGGAGCTGGGCAATTGGGATAGT  
CACTTTGCTTGTGGCAAAGCAATGGGAGCTTCTCAAGTAGTGGTATTGACCTCTCTGCTTCTCGGTTA  
GCCAAGGCCAAGGAAGTTGGAGCAGACTTACCATCCAGGTTGCCAAAGAGACCCCTCACGACATTGCCA  
AGAAGGTGAAAAGTGTGCTGGGAGCAAGCCAGAGGTACCATCGAATGCACGGGAGCGGAGTCTCTGT  
CCAGACGGGCATCTATGCCACTCACTCTGGCGGGACCTTGGTGGTTGTGGGAATGGGCCCGAGATGATC  
AATTTACCCTAGTGCACGCAGCTGTGCCGGAGGTGGACATCAAAGGCGTGTTCGATACTGCAACACGT  
GGCCGATGGCAGTTTCCATGCTTGCATCGAAGACTTTGAATGTAAGCCCTTAGTGACCCATAGGTTCCC  
CCTGGAGAAGGCTGTAGAAGCCTTTGAAACAGCAAAAAGGGACTGGGGCTGAAAGTTATGATCAAGTGT  
GACCCCAATGACCAGAACCCC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>ORF Size:</b>	1071 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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="#">NM_017052.2</a> , <a href="#">NP_058748.2</a>
<b>RefSeq Size:</b>	2197 bp
<b>RefSeq ORF:</b>	1074 bp
<b>Locus ID:</b>	24788
<b>UniProt ID:</b>	<a href="#">P27867</a>
<b>Cytogenetics:</b>	3q35
<b>MW:</b>	38.2 kDa
<b>Gene Summary:</b>	catalyzes the conversion of L-iditol and NAD <sup>+</sup> to L-sorbose and NADH in the polyol pathway; acts as a tetramer with one zinc atom per subunit [RGD, Feb 2006]