

Product datasheet for **RN205384**

Sord (NM_017052) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sord (NM_017052) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sord
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN205384 representing NM_017052 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCAGCTCCTGCTAAGGGCGAGAACCTGTCCTCGTGGTGCACGGACCTGGAGACATTCGCCTGGAGA
ACTACCCAATCCCTGAGCTGGGCCCAAATGATGTGTTACTAAAGATGCATTCGGTGGGGATCTGTGGCTC
GGATGTTCACTACTGGGAGCATGGCCGAATTGGGACTTCGTTGTGAAAAAGCCAATGGTCTTGGGCAT
GAAGCTGCTGGAACAGTCAAAAAGTGGGACCGATGGTGAACATCTAAAACCAGGAGATCGGGTGGCCA
TCGAGCCTGGCGTTCCTCCGAGAAATAGATGAATTCTGCAAGATCGGCCGATACAATCTGACGCCATCCAT
CTTCTTCTGTGCCACGCCCCAGATGATGGGAACCTCTGCCGCTTCTACAAGCACAGCGCTGACTTCTGC
TACAAGCTTCTGATAGTGTACCTTTGAAGAAGGGCCCTGATTGAGCCTCTCTGTGGGGATCTATG
CCTGCCGTCGAGGTTTCGGTTTCCCTGGGAACAAGGTCCTTGTGTGTGGAGCTGGGCAATTGGGATAGT
CACTTTGCTTGTGGCAAAGCAATGGGAGCTTCTCAAGTAGTGGTGATTGACCTCTCTGCTTCTCGGTTA
GCCAAGGCCAAGGAAGTTGGAGCAGACTTACCATCCAGGTTGCCAAGAGACCCCTCACGACATTGCCA
AGAAGGTGAAAAGTGTGCTGGGAGCAAGCCAGAGGTACCATCGAATGCACGGGAGCGGAGTCTCTGT
CCAGACGGGCATCTATGCCACTCACTCTGGCGGGACCTTGGTGGTTGTGGGAATGGGCCCGAGATGATC
AATTTACCCCTAGTGCACGCAGCTGTGCCGGAGGTGGACATCAAAGGCGTGTTCGATACTGCAACACGT
GGCCGATGGCAGTTTCCATGCTTGCATCGAAGACTTTGAATGTAAGCCCTTAGTGACCCATAGGTTCCC
CCTGGAGAAGGCTGTAGAAGCCTTTGAAACAGCAAAAAGGGACTGGGGCTGAAAGTTATGATCAAGTGT
GACCCCAATGACCAGAACCCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_017052
Insert Size:	1074 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_017052.2 , NP_058748.2
RefSeq Size:	2197 bp
RefSeq ORF:	1074 bp
Locus ID:	24788
UniProt ID:	P27867
Cytogenetics:	3q35
Gene Summary:	catalyzes the conversion of L-iditol and NAD ⁺ to L-sorbose and NADH in the polyol pathway; acts as a tetramer with one zinc atom per subunit [RGD, Feb 2006]