

## Product datasheet for RN206422

### Sds (NM\_053962) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sds (NM\_053962) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Sds  
**Synonyms:** RATSDHE1; Sdh; SDH2; Sdhe1; TDH  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN206422 representing NM\_053962  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGC**C

ATGGCTGCCAGGAGTCCCTGCACGTGAAGACCCACTACGTGACAGCATGGCATTGTCCAAGTGGCCG  
 GCACTAGTGTGTCCCTTAAGATGGACAGCTCTCAGCCCTCTGGCTCCTCAAGATCCGAGGCATTGGCA  
 TCTCTGCAAGATGAAGGCAAAACAAGGCTGTAACATTTCTGCTCTCAGCGGGCAACGCGGCATG  
 GCGACTGCCTATGCTGCCAGGAGGCTGGCCTCCAGCCACTATTGTTGTGCCAAGCACACCTGCC  
 TCACCATTGAGCGGCTGAAGAACGAAGGGGCCACAGTTGAAGTGGTGGGAGAGATGCTGGATGAGGCCAT  
 CCAACTGGCCAAGGCTCTGGAAAAGAACAACCCAGGTTGGGTGTACATCTCCCCCTTCGATGACCCTCTC  
 ATCTGGGAAGGCCACACTTCCCTTGTGAAGGAGCTGAAGGAGACTGAGCGCAAGCCCGGGCCATTG  
 TGCTGTCTGTGGCGGTGGAGGCCTGCTGTGCGGAGTGGTCCAGGGGCTGCGGGAGGTGGCTGGGAGGA  
 TGTGCCATCATCGCCATGGAGACCTTCGGCGCCACAGCTTCCACGCTGCCGTCAGGAAGGAAAGCTG  
 GTCACCCTGCCAAGATCACAGTGTGCAAGGCCTTGGGTGTAACACTGTGGGGCAGACACCTGA  
 AGCTGTTTTACGAACACCCATTTCTCTGAGTCACTCAGACCAGGAGGCTGTACTGCTATCGAGAA  
 GTTCGTAGACGATGAGAAGATCCTGGTGGAGCCCGCGTGTGGCGCTGCCCTGGCTGCAAGTGTACAGCGGT  
 GTGGTGTGCAAGGCTGAGGCTGAGGGCCGACTGCAAACCCACTGGCCTCGCTGTTGTCTATTGTGTGTG  
 GTGGCAGCAACATCAGCCTGGCAGACTGCAAGGACTCAAGGCACAGCTGGGCTGAATGAGCTACTCAA  
 GTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_053962



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<b>Insert Size:</b>	984 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="#">NM_053962.3</a> , <a href="#">NP_446414.3</a>
<b>RefSeq Size:</b>	1296 bp
<b>RefSeq ORF:</b>	984 bp
<b>Locus ID:</b>	25044
<b>UniProt ID:</b>	<a href="#">P09367</a>
<b>Cytogenetics:</b>	12q16
<b>Gene Summary:</b>	enzyme that converts L-serine to pyruvate and ammonia; involved in gluconeogenesis [RGD, Feb 2006]