

## Product datasheet for **RN217285**

### **Ndst3 (NM\_001191716) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ndst3 (NM_001191716) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ndst3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN217285 representing NM\_001191716  
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC  
 GCCC

ATGAGTTTTATCATGAAACCTCACAGACACTTTCAAAGAACACTGATTCTGCTTGCCACCTTTTGTATGG  
 TGAGCATCGTTATTTCTGCTTACTACCTGTACAGCGGCTACAAACAGGAAAGTGAAGTCTCTGGGGGGC  
 TTCGGTAGTGGACTGTGGTGACCTCCAGCACATACCATCCAGGCTGATGGAAGCGAAGAGGACAATGATT  
 TCTGATGCTTCAAGGACAGACCCACAGTCTAGTGTTTGTGAAAGCCAGTACTCATCTTTGGTCAAG  
 ACATCATTATGATGCTAGAATCCATCCGGTTCATTATCACACAGAAATCGTCTCGAAAAGGCGATCT  
 TCCAGCGCTTACAGACAATGTGAAAGGCAAATACATTCTCATTATATGAGAATATTCTAAAGTATATA  
 AACATGGACTCTGGAATAGAAGCCTCTAGATAAATACTGTATAGAGTATGGTGTGGGTATCATTGGAT  
 TCCACAAAACCAATGAGAAAACCTTCAGAGCTTCAATCCCAGGGCTTCCCCTTTTCCATAAGTGGAAA  
 CCTGGCAGTAAAAGATTGCTGTATTAATCCTCACTCCCCTCTCCTTCGTGTGACCAAATCATCCAAGCTT  
 GACAGAGGTTCTTACCTGGAGCTGACTGGACAGTTTTTTCAGATTAATCACTCCACCTACCAGCCAGTAA  
 TATTTGCCAAAGTTAAGACTCCAGAAAACCTTTCTCCTCCCATCTCTAAACATGCATTTTATGCCACTAT  
 CATACTGACCTGGGGCTTCATGACGGGATCCAGCGAGTCTTTTTGGCAACAACCTTGAACCTTTGGCTG  
 CACAAGCTCATTTTCATAGATGCCCTCTCCTTCTTGTGAGGAAAAGACTGACACTGTCTTTGGACAGGT  
 ACATCCTTGTGGACATTGACGACATATTTGTTGGGAAGGAGGGCACAAGGATGAACACCAATGATGTCAA  
 GGCCCTGCTCGACACTCAGAATCTTTGCGCTCACAATCACCACTTTACTTTCAACCTTGGATTTTCA  
 GGGAAATTTTATCACACGGGAACCGAAGAAGAAGATGCAGGGGATGACTGTCTGTTGGGGTCTGTGGATG  
 AGTTCTGGTGGTTTCTCACATGTGGATCACATGCAGCCCCATCTTCCATAATGAGTGTCTTTAAT  
 AGAGCAGATGATTCTCAACAAAAAGTTCGCCTTAGAGCATGGCATCCCTACGGACATGGGCTACGCAGTG  
 TCCCCTACCACTTTCAGGTGTCTACCCCGTACACGTTCACTTTTATGAGGCTGGAAGAAGGTTTGAATA  
 TAAAAATCACCAGCACTGAAGAATATCCACATCTGAAACCAGCTAGGTATCGGAGAGGCTTCATCCACAA  
 AAACATCATGGTTCTCCCGAGACAAACCTGTGGACTCTTACCCACACGATTTTCTACAAGGAGTACCCA  
 GGGGGCCCGAGGAACTGGACAAGAGTATTCATGGAGGGGAGCTCTTCTCACTGTGTTTCTCAACCCAA  
 TCAGTATTTTCATGACCCACTTGTCTAACTATGGAACGACCGGCTGGGATCATAACATTTGTGAACCT  
 AGCCAATTTCTGTCAGACCTGGACCAACCTGCGCCTTTCAGACCCTGCCTCCGGCTCAGCTGGCTCACAAA  
 TATTTTGAAGTCTTTCTGATCAGAAAGACCCTCTCTGGCAGAATCCCTGTGATGACAAACGCCACAGAG  
 ACATTTGGTCTAAAGAAAAAACCTGCGATCGCTTACCAAAATCTTGGTAAATAGGACCCAGAAAACCTGG  
 TACCCTGCTTGTGCTGTTTCTGATTATGCATCCTTCCATCCTTAGTAACTCCCCAGCCCAAAATCC  
 TTTGAGGAGGTACAGTCTTTAATAGAAAATACTACCACAGGGGATTGATTGGTACATGGATTTCTTCC  
 CAGTCCCCTAATGTCACCACTGACTTTCTGTTTGAAGAGTGTCTAATTACTTCCATTGAGGGAAGC  
 TCCTAAGAGAGCTGCTTCTAGTCCCAGAAAGCAAGATCATCACCATACTCATTGACCCGTGAGCCGA  
 GCGTACTCCTGGTACCAGCATCAGCGATCCCACGAAGACCCCGCAGCTCTGAAATTTAGCTTCTATGAAG  
 TGATCTCTGCTGGGCCAATGCACCCTGGGAACCCGAACCCTGCAGAAGAGATGCCTGGTCCCTGGATG  
 GTACGCCAGCCACATCGAGAGATGGCTTGTATTTCCCTCCATTTGAGTGTCTAATCATTGACGGGCGAG  
 CAGCTAAGAAGTCCCCCTGCGACAGTGTGGATGAAGTCCAGAAGTTTCTAGGAGTCTCGCTCATTATA  
 ATTACTCCGAAGCTTTAACGTTTATTCTCATAAAGGCTTCTGGTGTGAGTTGCTGGAAGAAGGGAAAAC  
 AAAATGTCTTGGGAAGAGTAAAGGAAGAAAATACCCACCAATGGACTCGGATAGCAGAGCGTTTCTGTCC  
 AGCTACTACCGAGACCACAACGTGGAGCTCTCGAAGCTGCTGCACAGACTCGGGCAGCCTCTGCCCTCGT  
 GGCTGAGACAGGAGCTGCAGAAAGTGAGATAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** AscI-MluI  
**ACCN:** NM\_001191716  
**Insert Size:** 2622 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u>NM_001191716.1, NP_001178645.1</u>
<b>RefSeq Size:</b>	2776 bp
<b>RefSeq ORF:</b>	2622 bp
<b>Locus ID:</b>	295430
<b>Cytogenetics:</b>	2q42