

## Product datasheet for **RN217283**

### **Ndst4 (NM\_001191849) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ndst4 (NM_001191849) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ndst4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN217283 representing NM\_001191849  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAATCTTATTGTAAGTTTCGGAGAAGCTTTCGAACACTGATTGTTCTCTTAGCTACCTTTTGTTTGG  
 TGAGCATCGTCATTTCTGCCTACTTCTGTACTCTGGCTACAAACAGGAAATGACCTTGTGCAAACTAC  
 TGCAGAAGCAGAGTGCCTGACATCAAAAACCTTCTTATCGGTCTATAGAACTGAAAACCATCAAGCCT  
 ATTGATACATCCAAAACCTGATCCCACTGTCTTCTCTTTGTAGAGAGCCAGTATTCGCAACTTGGTCAAG  
 ATATTATAGCAATCTTGGAGTCCAGCCGGTTTCAGTACCAGATGGTCATTGCTCCAGGCAAGGGAGACAT  
 ACCTCCTCTTACCGATAGTGGCAAGGGGAAGTACACATTGATTATTTACGAAAACATTTTGAAGTACGTC  
 AGCATGGACTCATGGAACCGGGAGCTTTTAGAAAAACTGTATAGAATACAGTGTAGCATTATTGGTT  
 TTCATAAAGCCAATGAGAACAGCTTGGCGACTACACAACGAAAGGGTTTCTTTGAACTTATTCAATAA  
 TGTAGCTCTGAAGGACTGCTCTGTGAACCCCACTCTCCTCTGCTTCATATTACCAAAGGCCCAAAGTT  
 GAAAAGGGACCTTCTTCTGGGGAAGACTGGACAATTTTCCAATATAACCATTTCTACCTACCGCCAGTGC  
 TTTTAACTGAGTTACAAACAGAAAAGTCCCTCTCTTTCTGTCCAGCCAAACACTCTATGCGACAATAAT  
 TCAGGATCTGGGGCTTCATGATGGGATCCAGCGAGTCTTTTTGGTAACAATTTGAACTTTTGGTTGCAC  
 AAGCTCATTTTTCATAGACGCCATCTCTTTCTGTGGGCAAGAGGCTGACACTATCCTTGGACAGGTACA  
 TCCTTGTGGACATTGATGACATATTTGTGGGGAAGGAGGGCACAAGGATGAATGTCAAAGATGTGAAGGC  
 ATTACTAGAGACTCAAAATTTACTGCGCACTCAGGTTGCAAAATTTACCTTCAACCTTGGATTTTTCAGG  
 AAGTTTACCACACAGGGACTGAAGAAGAAGATGCAGGGGATGACCTTCTGCTGAGGTCTGTGGATGAGT  
 TCTGGTGGTTTCTCATATGTGGAGTACATGCAGCCCACTGTCCACAATGAGTCTTCTTTAGTGGGA  
 ACAGATGATTCTTAACAAGAATTTGCCCTGGAACATGGAATTCGATCAACCTGGGCTATGCAGTGGCC  
 CCACATCATTCAGGAGTCTACCCAGTCCATATTGACTTTATGCAGCTTGGAAAGAAGTCTGGGGTATTC  
 AGGTACCAGCACTGAAGAATATCCACATCTAAAGCCTGCACGGTACCGGAAGGGTTTCATTACAACAA  
 CATCATGGTCTCCCTCGACAGACCTGTGGGCTGTTACGCATACTATTTTCTACAAGGAGTATCCAGGA  
 GGACCTCAAGAATTGGATAAAAGTATCAAAGGAGGTGAACTTTTCTCACAATCTTCTAAATCCAATCA  
 GCATTTTCATGACGCATCTGTCTAACTACGGCAATGACCGCTCGGCTTATACACCTTTGTGAACTTGGC  
 CAACTTTGTGCACAGCTGGACCAACTTGAACCTGCAGACCCTGCCACCAGTGAACCTGGCCATAAGTAC  
 TTCGAACTCTTCCCTGAGCAGAAAGACCCTCTCTGGCAGAATCCATGTGATGATAAACGACACAAGGACA  
 TCTGGTCCAGGGAGAAAACCTTGTGATCATTTACCAAATTCCTTGTGATTGGGCCACAGAAAACAGGAAC  
 AACCGCGCTTTATTTATTTCTTCTTATGCACCTTCCATCGTCAGCAATCTCCCTAGCCCGAAAACCTTC  
 GAAGAAGTTCAATTTTTAACGGCAACAACATATCAAGGGAAATTGAGTGGTATATGGACTTCTTTCCCA  
 CTCCTTCCAACATTACCAGTGAATTCCTGTTTGAAGAGTGTAACTACTTCCACTCAGAAGAGGCTCC  
 CAAGAGAGCCCGCTCTTGTTCCTCAAGGCAAGATCATCACTATCCTCATAGACCCCTCAGACAGGGCG  
 TATTCCTGGTACCAGCACCAACGATCTCATGAAGATCCGGCTGCCCTGAGGTTCAATTTCTATGAAGTTA  
 TCACGACAGGACTGGGCCCTCTGATTTAAAAACATTGCAGAGGCGATGTCTGGTGCCTGGGTGGTA  
 TGCAGTACATATAGAAAGATGGCTGGCCTACTTTTCTACTTCCCAGTTGCTAATTATTGATGGACAACAG  
 CTGAGATCTGACCCAGCAACGGTATGGATGAAGTCCAGAAGTTTCTAGGAGTTACACCTCATTATAATT  
 ACTCTGAGGCACTGACGTTTGTCTCCTCAAAAAGGCTTTTGGTGTCAACTACTGGAAGGAGGGAAAACCAA  
 ATGTCTCGGGAAGAGCAAAGGACGGAGGTACCCACCCATGGATCCAGAGTCCAGAATTTCTCTCCAGT  
 TACTACCGCAGCCACAACGTGGAGCTCTCGAAGCTGCTGCACAGGTTGGGGCAGCCTCTGCCCTCGTGGC  
 TAAGACAGGAGCTGCAGAAAAGTGA**TAG**

**ACGGCT**ACGGCGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001191849  
**Insert Size:** 2619 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_001191849.1, NP_001178778.1</u>
<b>RefSeq Size:</b>	2619 bp
<b>RefSeq ORF:</b>	2619 bp
<b>Locus ID:</b>	362035
<b>Cytogenetics:</b>	2q42