

Product datasheet for **RN206342**

Ndst1 (NM_024361) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ndst1 (NM_024361) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ndst1
Synonyms:	Hsst
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN206342 representing NM_024361
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTGCCTGGCGTGCCTCCGGAGGCTGTGTGGCACCTGTCCCACAGGCTGTCTGTCTCTGTCTGT
 TTGTCTTCTGCCTGTTTCAGCGTGTGGTCTCGGCCTACTACCTATATGGTTGGAACCGGGCCTCGAGCC
 CTGGCAGATGCTTCTGAGTCCGACTGCGGGGACCCACCCTGTGCCCCCTAGCCGTCTCTGCCAATC
 AAGCCTGTGCAGGCGGTGCCCCCTTCTCGAACAGACCCGCTGGTGTGGTATTTGTGGAGAGCCTTATT
 CACAGCTGGGCCAGGAGTGGTGGCCATCTGGAATCCAGTTCGCTTCAAGTACCGAACAGAAATGCACC
 GGGGAAGGGGACATGCCACACTCACAGACAAGGGCCGAGGCCGCTTCGCCCTCATCATATGAGAAC
 ATCCTCAAGTATGTCAACCTGGATGCCTGGAACCGGGAGCTGTGGACAAGTACTGTGTGGCCTACGGCG
 TGGGCATCATTGGCTTCTCAAGGCCAATGAGAACAGCCTGCTGAGTGCACAGCTCAAAGCTTCCCTCT
 TTTCTGCATTGAACTGGGCTTGAAGACTGCAGCATCAACCCCAAGTCCCCACTGCTGTACGTGACA
 CGCCCCAGTGAGGTAGAGAAAGTGTGCTGCCCGAGAGGACTGGACGGTGTCCAGTCTAACCACTCTA
 CCTATGAGCCAGTGTGCTGGCCAAGACGCGCTCCTCTGAGTCCATCCCACACTGGGCGCAGATGCCGG
 CCTGCATGCTGCCCTGCACGCTACTGTGGTCCAGGACCTGGGCCCTCCATGACGGCATTACAGCGTGTGCTG
 TTTGGCAACAACCTCAACTTTTGGCTGCATAAGCTCGTCTTCGTGGACGCTGTGGCCTTCTCACAGGGA
 AGCGCCTCTCACTGCCTTTGGACCGATACATCCTGGTGGACATTGATGACATTTTGTAGGCAAGGAGGG
 CACACGCATGAAGGTGGAGGATGTGAAGGCCCTGTTGATACACAGAATGAACTTCGTACACATATCCCA
 AACTTCACCTTCAACCTGGGCTACTCAGGAAAATCTTCCACACAGGTACCGATGCTGAGGATGCTGGGG
 ACGACTGCTGCTCCTATGTGAAAGAGTTCTGGTGGTTCGCCACATGTGGAGCCATATGCAACCCCA
 CCTCTTCCACAACCAAGTCTGTGCTGGCTGAGCAGATGGCCCTGAACAAGAAGTTCGCTGTGAGCACGGC
 ATTCCACAGATATGGGGTATGCAGTGGCACCCACCCTCTGGTGTGTACCCTGTGCATGTGCAGCTGT
 ATGAGGCTGGAAGCAAGTGTGGAACATCCGTGTGACCAGCACAGAGGAGTACCCGCATCTGAAGCCTGC
 CCGTTACCGCGTGGCTTATCCACAATGGCATCATGGTCTCCTCGGCAGACCTGTGGTCTCTTTACA
 CACACCATCTTACAACGAGTACCCTGGAGGCTCCAGTGGCTGGACAAGATCATCAATGGGGGCGAGC
 TCTTTCTACTGTGCTCCTCAATCTATCAGCGTCTTCATGACACACTTATCCAATATGGAATGACCG
 CCTGGGACTGTACACCTCAAGCACCTGGTGCCTTCTGCACCTCTGGACCAACCTGAGGCTGCAGACG
 CTGCCCTGTGCAGCTGGCCAGAAGTACTTCCAGATCTTTTCTGAGGAGAAGGACCCACTTTGGCAGG
 ATCCCTGTGAGGACAAACGCCACAAGACATCTGGTCTAAGGAGAAGACATGTGATCGCTTCCCAAGCT
 GCTCATATTGGCCCCAGAAAACAGGCACCACAGCCCTCTACCTGTTCCCTGGGCATGCACCCCGACCTC
 AGCAGCAACTACCCAGCTCCGAGACCTTTGAGGAGATCCAGTTTTTAAATGGCCACAACATACAAAAG
 GCATCGACTGGTACATGGAATCTTCCCTATCCCTCCAACACCCTCTGACTTCTACTTTGAAAAAAG
 TGCCAACACTTTGATTGAGAGTGGCACCACGGCGAGCAGCTGCCCTATTGCCAAGGCCAAGGTTCTC
 ACCATCCTCATCAATCCAGCCGACCGGGCTTACTCCTGGTACCAGCACCAGCGGGCCATGATGACCCGG
 TGGCCCTAAAGTACACCTTCCATGAGGTGATCACAGCTGGCCCTGACGCATCCTCAAAGCTGCGTGCCCT
 CCAGAACCGATGCCTGGTCCCCGGCTGGTATGCCACTCATATTGAACGCTGGCTCAGCGCCTTTCATGCC
 AACAGATCCTGGTCTTGGATGGCAAACCTGCTGCGAACAGAACCTGCCAAAGTGTGACACAGTGCAGA
 AATTCTCGGGGTGACCAGCAGGTTGACTACCATAAAACCTTGGCGTTTACCACAAAGAAAGGATTTTG
 GTGCCAGCTGCTCGAAGGAGGAAAAACCAAGTGTCTGGGAAAAAGCAAGGGACGGAATATCCAGAGATG
 GACCTGGATTCCCGAGCCTTCTAAAGGATTAACCGGGACCACAACATTGAGCTCTCTAAGCTGCTGT
 ATAAGATGGGCCAGACACTGCCACCTGGCTGCGGGAAGACCTCCAGAACACCAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_024361

Insert Size:	2649 bp
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_024361.1 , NP_077337.1
RefSeq Size:	4051 bp
RefSeq ORF:	2649 bp
Locus ID:	29633
UniProt ID:	Q02353
Cytogenetics:	18q12.1
Gene Summary:	enzyme that catalyzes the transfer of sulfate from 3'-phosphoadenosine 5'-phosphosulfate to the nitrogen of glucosamine in heparan sulfate [RGD, Feb 2006]