

Product datasheet for RN217596

Nsd2 (NM_001191552) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nsd2 (NM_001191552) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nsd2
Synonyms:	RGD1565590; Whsc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217596 representing NM_001191552 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGCAGGCACCAGAAATCCTTGGCAGTGCAAATGAAAGACTCAGAAGTGTGAAGTGAATCAGCAAT
GTTCTGTATTCTCAGCAAAGCTCAGCTTTCTAACAGCCTACAGGAGGGGTCATGCAGAAATTTAACGG
GCATGATGCACTCCCCTTTCTCCAGCAGAGAAGTTGAAAGATCTTACTTCTTGTGTGTTAATGGAGAA
CCTGGTGCTCATGATACTAAGTTGTGTTTTGAGACCCAGGAAGTAAAAGGAATTGGGACACCACCAATA
CTACTCCTATCAAAAATGGCTCTCCAGAAATTAAGTAAAATCACCAAAACATACATGAATGGGAAACC
TCTCTTTGAATCTTCAATTTGTGGTGATGGCGCTGCTGATATGCTCAGTCAGAAGAAAATGGACAAAA
TCGGATAATAAGACTAGGAGGAACAGGAAGAGGAGCATAAAAATAGACTCTTTGCTGGAGCAGGGCCTTG
TGGAAGCAGCTTTAGTGTCCAAGATCTCAAGTCTGAAGATAAAAAGATTCCAGTTAAGAAGGAGTCCTG
TCCAAATAGTGGCAGAGACAGAGACCTCTGTTAAAATACAACGTTGGTGATTTGGTGTGGTCCAAAGTG
TCAGGTTACCCTTGGTGGCCTTGCATGGTTCTGCTGATCCACTCCTTCACAATCATACCAAATTAAG
GTCAGAAAAAAAGTGCACGCCAGTATCATGTACAATCTTTGGTGTGCCCAAGAAAGCTTGGATATT
TGAGAAGAGCCTTGTGCTTTTGAAGGAGAAGAACAATTTGAAAAATTATGCCAAGAAAGTGCCAAGCAG
GCACCCACGAAAGCTGAGAAAATCAAGTTGTTGAAACCTATTTACGGGAGATTGAGAGCCAGTGGGAAA
TGGGCATTGTCCAGGCTGAGGAAGCTGCTAGCATGTCAGTAGAGGAGCGGAAAGCCAAGTTTACTTTCTT
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GGAGAAATGGTGGACTCTCAGTGGCAATGAAGAAGCTGCTGTAGACCCTGGGACTATGAGAGAAGAGG
ACATTCCTGTAAGAGAAGGCGAAGAGCCAAAAGTCTAGTTCTGCTGAGAACCAGGAAGGAGACCCCGG
CACAGAAAAGAGTACACCTCAAAGATGGCGGATGCTGAACCTAAGAGAGGCGTAGGTTCTCCTGCCGGG
AGGAAAAGGTCCACAGGATCTGCCTCACGGAGCAGAAAGGAGACTCAGCAGCCAGTTCTTAGTCTTTT
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TGGGTCCCAATGGAGCATGCTCAATGAAAAGCAGAAAGCAGGATATAATACAAAGTTTTCCCTAATGATC
TCTGCCAGTCTGAAGAAGACTCTGAAAATACCAAGTGGGAAAAAAGGACCCACAAAAAAGGACAGATG



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ACCTCCTGAGGATGTGGATGTAGAAGACGCACCCAGGAAAAGACTTAGGACAGATAAGCACAGTCTTCG
 GAAGCAAAGAGAGACAATCACCGACAAAACGGCCAGAACGAGCTCGTACAAGGCTATAGAGGCAGCCTCC
 TCACTCAAGAGCCAGGCAGCAACGAAAAATTTGTCTGATGCTTGCAAACCACTGAAGAAGCGAAATCGGG
 CTTCTGCAACAGCGTCTTCAGCACTTGGGTTTAAACAAAAGTTCATCTCCTTCTGCATCCTTAAGTGA
 TGAGGTCTCAGACAACCCAGGAGATGAACCGTCAGAGTCCCGTATGAAAGTGCAGATGAAACACAGACT
 GAAGCGTCGCTCATCTAAGAAATCTGAAAGAGGAATGGCTGCCAAAAGGAGTACGTGTGTGAGTGT
 GTGAGAAGACAGGCAGTCTTACTGTGTGAAGGCCCTGTTGTGGAGCATTCCACTTGCCTGCCTTGG
 ACTTTCCAGAGACCAGAAGGAAGATTCACCTGCACTGAATGTGCCTCAGGGATTCACCTCATGCTTCGTA
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 CTGCCATGCCTCAAACCTTCAAATCCGCGGCCATCAAAGGTAAAATGATGCGGTGCGTCCGATGCCCT
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 ATCGAGATGCCTGATGGCAGCTGGTTCTGCAATGACTGCCGAGCTGGGAAGAAGCTCCACTTCAAGACA
 TCAATTTGGGTCAAACCTGGGAACACAGATGGTGGCCAGCAGAAGTTGCCATCCAAAAATGTTCCCCC
 AAATATTCAGAAAATGAAGCAGGAGATTGGAGAATTCCTGTGTTTTCTTCGGGTCTAAAGATTATTAC
 TGGACGCATCAGGCACGAGTGTCCCATACATGGAGGGGACCGGGGAGCCGCTACCAGGGGTGACAG
 GGATTGGAAGAGTCTTCAAGAACGCATTGCAAGAAGCCGAAGCTCGTTTTAATGAAATCAAACCTCAGCG
 GGAAGCCCAGAAAACACAGGAGAGTGTAGAGAAAGCCTCCACCATAACAAGCATATCAAGGTGAATAAACT
 TATGGTAAAGTCCAGATCTATACAGCTGACATTTCTGAAATCCAAAAATGCAACTGTAAGCCACGGATG
 AGAACCCCTGTGGCTCTGATTCAGAGTGTCTAACAGGATGCTAATGTTTGTAGTCCACCCGAGGTGTG
 CCTGCAAGGGGAATATTGCCAGAACCAGTGTTCCTAAGCGCCAGTACCCGGAGACCAAGATCATCAAG
 ACCGATGGCAAAGGGTGGGGCCTGGTTGCCAAAAGGGACATCAGAAAGGGAGAATTTGTTAATGAGTATG
 TTGGCGAAGTATTGATGAAGAGGAGTGTATGGCAAGAATCAAATATGCACATGAGAATGACATCACTCA
 CTTTTACATGCTCACCATAGACAAGGACCGCATAATTGATGCTGGCCCCAAAGGAATTACTCGCGGTTT
 ATGAACCATAGCTGCCAGCCCACTGTGAGACCCTGAAGTGGACAGTGAATGGGGACACACGGGTTGGCC
 TGTTTGTGTGTGCGACATCCCTGCAGGTACAGAGCTGACTTTCAACTATAACCTCGATTGTTTGGGCAA
 TGAAGACAGTCTGTGGTGTGGAGCCTCAACTGTAGTGGTTCCTTGGAGACAGACCAAGACATCA
 ACATCCCTTTCTCAGAGGAAAAGAGTAAAAGGCCAAGAAGAAAACCAGGAGGCCAGACCAAGGGT
 AAGGAAAGCGGCAGTCAAGGACGAATGCTTCCGCTGTGGTGTGCGGCAACTGGTGTGTGACCG
 CAAGTTCTGCACCAAGGCCTACCACCTATCCTGCTTGGGCTTGGCAAGCGGCCCTTTGGGAAGTGGGAA
 TGTCTTGGCATCACTGTGATGTGTGTGGCAAACCTTCTACCTCATTTTGGCACCTCTGCCCAACTCAT
 TCTGTAAGGAACACCAAGATGGGACTGCTTCCGCTCCACCCAGGATGGCAATCCTACTGCTGTGAGCA
 TGACCTGAGGGCAGACTTGCAATAATACCAAGACTGAGAAACCTTTCTAGACTCACTCAAGCGGAAG
 GGAAGAGGAAGAAAAGGCGGTGCTGGCGAAGGGTCACAGACGGCAATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001191552
- Insert Size:** 4041 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<u>NM_001191552.1, NP_001178481.1</u>
RefSeq Size:	5698 bp
RefSeq ORF:	4041 bp
Locus ID:	680537
Cytogenetics:	14q21