

Product datasheet for **MC220208**

Nsd3 (NM_001001735) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nsd3 (NM_001001735) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nsd3
Synonyms:	6720429E03; A530023P05; AI528490; WHIS; WHISTLE; Whsc1; Whsc111
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220208 representing NM_001001735
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATTCTCTTTCTTTTCATGCAAGGGATCATGGAAACACAATTCAGCAACCACCTCAACTATTG
 ACTCGGCCAACATCCGCCAGGAGGATGCCTTTGATAAACCACAGTGACATTGTTGAAGATGGTGGCCCGAC
 ACCCTTTGAAGCTACTTTGCAACAAGGTTTTCAATATCCACCTACAACAGAAAGACCTTCTCCGCTCACA
 AATGGCTACCCACCATCAATCAGCTTGTATGAACTCAAACAAATACCCGCCATATAATCAGTATCCCA
 ATGGGTGACGCAACGGTTTTGGTGCAGTTAGAACTTTAGCCCTACTGACTATTACCATTAGAAATTC
 AAACACAAGACCACATGAAATCTGAAAAACCTTCTCTCTCAGCCACCTCCTCTCTCTCTCTCTCT
 CCTCTCTCTCTCTCTCTCTCGGTACCACAACTGTGATTCCAAGAAGACAGGCTCACCCGAGATTA
 AACTAAAAATAACAAAACATCCAGAATGGCAGGGAATTGTTTGTAGTCTCCCTTTGTGGAGACCTCTT
 AAATGAAGTACAGGCAAGCGAGCACAAAAGTCTAAGCATGAAAGCAGAAAGGAAAAGAGGAAAAAGAGC
 AACAGACACGAGTCATCTCGATCCGAAGAGCGGAGGTCACACAAGATTCCAAGCTAGAGCCGGAGGGAC
 AGAATAGACCAAATGAGAGGGTGGACACTGCACCAGAGAAGCCAAGAGAAGAGCCAGTGCTCAAAGAGGC
 CATCCCGTTCAGCCAATACTGTCTTCTGTTCCAACAACAGAAACATCCACTGGTGTAAAGTTCCAGGTT
 GGTGATCTTGTGGTCCAAGGTGGGAACCTACCTTGGTGGCCTTGTATGGTTTCAAGTATCCCCAGC
 TTGAGGTCATTCCAAAATTAACACAAGAGGTGCCCGGGAATATCATGTCCAATTTTTAGCAACCAGCC
 AGAGAGGGCATGGGTTTATGAGAAACGGGTACGGGAATACAAAGGTCATGAACAGTATGAAGAGTTACTA
 GCCGAGGCAGCAAGCAAGCCAGCAATCATTCTGAAAAGCAAAGATTGCGAAACCCCGACCTCAGAGAG
 AACGTGCCAATGGGACATTGGCATTGCTCATGCAGAGAAAGCATTGAAAATGACTCGGGAGGAAAGAGT
 AGAGCAGTACACTTTTATCTACATTGATAAGCAGCCAGAAGAGGCTTCGTCCAAGCAAAGAAGAAATGTT
 ACCTCTAAGACGGAAGTCAAGAAACCCGAAAGACCAAGATCTGTGCTGAACAGTCAGCCAGAACAGACCA
 ATGCTGGGAGGTGGCCTCTCACAATCAAGTACTGACCTTGAAGGCAGAGCCAGAGGCGGCATACTAG
 CTTGGAAGAGGAAGGCCACCTCTGTTAAAATCGCCTGGAAAACAGCAGCCGCAAGGAAGTCTTACCA
 GCCTCCATCACAATGCACAAAGGGAGCCTAGATTTGCAGAAGTGAATATGTCTCCAGTTGTGAAAATTG
 AACAGTGTGTTGCTCTCCAGAATGCAACAGGAGATGGGAAGTTTATTGATCAGTTTGTGTTTATTCAACGAA
 GGGTATTGGTAACAAAACAGAAATAAGTGTGAGGGGCAAGACAGGCTTATAATCTTCCACCAAGTCAG
 AGAAGTAAAAGCCGGCTCAGAGCGGTCATCTCCGGAGGCAACATCTGGTTCTGCAGGCCAGTAGAGA
 AGAAGCAGCAGAGAAGATCCATCAGGACTCGATCTGAGTCAGAGAAGTCCGCCGAGGTTGTGCCAAAGAA
 GAAGATCAAAAAGGAGCAGGTTGAGACAGCTCCCAGGCCTCCCTGAAGACCGGGTTACAGAAAAGGTCG
 GCGGACCGAGGAGCGCAGGGCTCTGTCAGATTCAGTGACAGCTCCGTCTCCGCAGCGAAAGAGGAAACTG
 TGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001001735

Insert Size: 1968 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:

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_001001735.2](#), [NP_001001735.1](#)

RefSeq Size: 3680 bp

RefSeq ORF: 1968 bp

Locus ID: 234135

UniProt ID: [Q6P2L6](#)

Cytogenetics: 8 A2

Gene Summary: This gene encodes a member of the SET domain family of histone lysine N-methyltransferase proteins. This protein methylates histone H3 at lysine residues 4 and 27, which represses gene transcription. It acts in opposition to the histone demethylase Jmjd1c. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2015]
Transcript Variant: This variant (1) encodes isoform 1. Variants 1 and 3 encode the same isoform (1).