

Product datasheet for **SC308769**

NSD3 (WHSC1L1) (NM_023034) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NSD3 (WHSC1L1) (NM_023034) Human Untagged Clone
Tag: Tag Free
Symbol: NSD3
Synonyms: KMT3F; KMT3G; pp14328; WHISTLE; WHSC1L1
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_023034 edited
 ATGGATTCTCTTTCTTTTCATGCAAGGGATCATGGGAAACACAATTCAGCAACCACCT
 CAACTCATTGACTCCGCCAACATCCGTCAGGAGGATGCCTTTGATAACAACAGTGACATT
 GCTGAAGATGGTGGCCAGACACCATATGAAGCTACTTTGCAGCAAGGCTTTCAGTACCCA
 GCTACAACAGAAGATCTTCTCCACTCACAAATGGGTATCCATCATCAATCAGTGTGTAT
 GAAACTCAAACAAATACCAGTCATATAATCAGTATCCTAATGGGTGAGCAATGGCTTT
 GGTGCAGTTAGAACTTTAGCCCACTGACTATTATCATTAGAAAATCCAAACACAAGA
 CCACATGAAATCTGAAAAACCTTCCCCTCCACAGCCACCACCTCCTCCTTCGGTACCA
 CAAACTGTGATCCAAAGAAGACTGGCTCACCTGAAATAACTAAAAATAACAAAACCT
 ATCCAGAATGGCAGGGAATTGTTTGAGTCTTCCCTTTGTGGAGACCTTTTAAATGAAGTA
 CAGGCAAGTGAGCACACGAAATCAAAGCATGAAAGCAGAAAAGAAAAGAGGAAAAAAGC
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 TATCCTTGGTGGCCTTGATGGTTTCAAGTATCCCCAGCTTGGAGTTTCACTAAAAATT
 AACACAAGAGGTGCCCGAGAATATCATGTCCAGTTTTTTAGCAACCAGCCAGAGAGGGCG
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 GAGGCTTTATCCCAAGCAAAAAAGAGTGTTCCTCCAAAACCGAAGTAAAAAACCCGA
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 GTGAAAATGAACAAGTGTGCTCTTCAGAATGCTACAGGGGATGGGAAATTTATCGAT



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CAATTTGTTTATTCAACAAAGGGAATTGGTAACAAAACAGAAATAAGTGT CAGGGGGCAA
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 AAGCAATTTGTTGGGTCAAATTTGGGAAATACAGATGGTGGCCAGCAGAGATCTGCAAC
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 GTAATAGGAAAGGTGCAGATCCAGGTTGCTGACCTGTGAGAGATCCCGCTGTAAGTGC
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 AAGAGACTATACCTGATGCAGAGATCATCAAACGGAGCGGAGAGGCTGGGGCCTCAGG
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 ATGTTAACTGTTACCAAGGACCGTATAATTGATGCCGGCCCAAAAAGGAAATTTCTCGC
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 GTTCGAGTGGGACTATTTGCTCTCTGTGATATTCTGCAGGGATGGAGTTAACATTTAAT
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 AGTGGTTTTCTAGGAGTGCGGCCAAAGTCGGCATGTGCGTCAACAAATGAAGAGAAGGCA
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 GAGTGTCCGTGGCATCAGTGCATGAGTGCAGCAGTGCAGCTGTTTCTTCTGTGAATTC
 TGTCCACATTCATTTGTAAAGATCATGAAAAGGGGGCCCTGGTTCCTCTGCACTGGAA
 GGCCGCTCTGCTGCTCGGAACATGACCCCATGGCTCCTGTGTCACCAGAATACTGGAGC
 AAGATAAAATGTAATGGGAATCACAAGATCATGGAGAAGAAGTAAAAGAATAA

Restriction Sites: Please inquire
ACCN: NM_023034
Insert Size: 4500 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:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_023034.1.
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_023034.1</u> , <u>NP_075447.1</u>
RefSeq Size:	5431 bp
RefSeq ORF:	4314 bp
Locus ID:	54904
UniProt ID:	<u>Q9BZ95</u>
Cytogenetics:	8p11.23
Domains:	PWWP, SET, PHD, PostSET, AWS
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Lysine degradation
Gene Summary:	<p>This gene is related to the Wolf-Hirschhorn syndrome candidate-1 gene and encodes a protein with PWWP (proline-tryptophan-tryptophan-proline) domains. This protein methylates histone H3 at lysine residues 4 and 27, which represses gene transcription. Two alternatively spliced variants have been described. [provided by RefSeq, May 2015]</p> <p>Transcript Variant: This variant (long) contains an alternative 3' end sequence. The longer protein encoded has a different carboxy terminus than the protein encoded by variant short.</p>