

Product datasheet for **RN216580**

NdrG4 (NM_001271091) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NdrG4 (NM_001271091) Rat Untagged Clone
Tag:	Tag Free
Symbol:	NdrG4
Synonyms:	Bdm1; Ndr4; smap8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN216580 representing NM_001271091 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGTGCTGGGACACAGGCTCCAACCTGCTGACAGGGCTTCTGCTCCACGACGTGACCATGGCGGGGC
TGCAGGAGCTGCGATTTCTGAGGAGAAGCCCTTCTCCGGGGCCAGGATGCCACCGAGCTGGATAACCC
CGATGCCTTCTCTCAGTTGTGGACACGGACTGGAAGGAACATGACATTGAGACGCCTTATGGCCTCCTG
CATGTGGTGATCCGGGGCTCTCCAAAGGGAACCGCCAGCCATCCTTACCTACCAGATGTGGGTCTCA
ATCACAAGCTGTGCTTCAACACCCTGTTCAACTTGGAGGACATGCAGGAGATCACCAAACACTTCGTGGT
GTGCCATGTGGATGCCCTGGGCAGCAGGTGGGAGCGTCACAGTTCCTCAGGGATACCGATTCCCTCC
ATGGAGCAGCTGGCGACCATGCTCCCGAGTGTGGTACAGCACTTGGATTCAAGTACGTGATTGGCATCG
GAGTGGGGCCGGAGCGTATGTGCTCGCCAAGTTGCACTCATCTCCCTGATTTGGTGGAGGGGCTGGT
GTTGATGAACATTGACCCAATGGCAAAGGCTGGATTGATTGGGTGCCACGAAGCTCTCCGGCTTGACC
AGCACTTTGCCAGATACTGTACTCTCCATCTCTTCAGCCAGGAGGAGCTGGTGAACAACACGGAGCTGG
TGCAGAGTACCAGCAGCAGATCTCGAGCGTGGTGAACCAGGCCAACCTTCAGCTCTTCTGGAACATGTA
CAATAGCCGACAGAGATCTTGACATTAACCGGCCTGGGACAGTGGCCAATGCCAAGACACTCCGCTGCCCA
GTGATGCTGGTGGTGGTACAATGCACCTGCTGAGGACGGGGTGGTTGAGTGTAACTCCAACTGGACC
CAACCACTACAACCTTCTGAAGATGGCAGACTCTGGTGGTCTTCTCAGGTGACCCAGCCAGGGAAGCT
GACTGAGGCCTTCAAATACTTCTGCAGGGCATGGGCTACATTGCACACTTGAAGACCGAAGGCTCAGT
GGAGGAGCAGTGCCTCAGCCAGCATGACCCGCTTGGCGCTCTCGTACCGCTCCCTCACCAGCGCCA
GTTCTGTGGATGGTAGCCGCCCTCAGCCCTGCACCACTCAGACAGCAGTGAAGGGATGGCCAGGTCAA
CCACACCATGGAGGTGCTCTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001271091
Insert Size:	1215 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_001271091.1, NP_001258020.1</u>
RefSeq Size:	2924 bp
RefSeq ORF:	1215 bp
Locus ID:	64457
Cytogenetics:	19p13