

Product datasheet for **RN206218**

Smyd4 (NM_001105810) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smyd4 (NM_001105810) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smyd4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN206218 representing NM_001105810

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

 ATGGATCTGCCAGTGGATGAGTGGAAATCCTACCTACTTGAGAAGTGGGCTTTACTTCCGAAGTCTGTGC
 AGGTCACAATTTCTACAGCAGAGACTCTGAGCGACATCTTTCTTCACTCCTCTTCCTTCTCAACCTGA
 GGACGAGATGTTCTTGAAGCAACTTTCTAGTAGTTGCTCCGTGGAAAAGGACTCTGGTGCTCCCTTTTC
 TACAGAGAAGAAGGAAACAAAAGGTTCCAAGAGAAGGAGTATATGGTGCTGCAGTGCTGTACTCTAAGG
 GAGTGTCACATTCAGGCCTAACACTGAGGACATTTTATTGTGCTATGCCAATCGCTCTGCCGCCCTCTT
 CCATCTGGGTGAGCATGAAGCATGTCTTAAAGACATAGTGAGAGCAGGTATGCATGGGTATCCTGAAAGA
 CTGCAGCCCAAGTTGATGATTCTGAAGACAGAATGCCTGGTGAACCTGGGAGACTCCAGGAGGCAAGAC
 AGACCATCAGTGATCTGGAACAGCCTCACTACCAAGCCAACCCTGATGCCTTCTCTCATCAGATTCT
 GCAGAGGAATGTCCAGCAGCTAAAAATGAAGATCCAAGAAAAGGAGACTCTCCAGAATCTTCCCTGCA
 GCTCTCACAAAGCCTTGAGGATATGGCCTGGGGAAGAGAACAACAGATTTCTGGGGCGTCCCTCT
 CTGTGAGCTTATGCACAGACCCTCTGAAAGGCCCATCTAGTTGCCACAAAAGACATTCTCCAGGAGA
 ACTCCTGGTGAAGGAAGATGCTTTTGAAGTGTCTTAACCCAGGAGAAATGCCACCACTGCGTCATTGC
 CTAGAGAACAAAGTGGGATACTAGAGTTACCAGTGACAGCTCTACTGTCACCGATGTCTGAGGCATACTT
 TGGCCACAGTACCCTGTGGTGGCTGTAGCTATGCCAAGTATTGTAGCCAGGAATGCGTGACGAGGCGTG
 GGACCACTACCATAGCACAGAGTGCTCTCTGGGGGGCTACTCCTCAGCTCGGGGTCTTCTGCCACGTT
 GCCCTGAGGATGACTCTTTAGCCAGATTTGAAGATGTGGACAGAGTTATAAGGATGATTGTGACAAGA
 CTGGTCGCAAAGATACCTGTTTACCCGAAAGCAAGGATCTGGTCAAAACATTTGGTTACACAAATCAGGG
 GGAGAGTGAAGAGAAGCAGCGAAACATGTGAACCTCCATTCTGGATGTATGTCAATGGGAAGTATGAA
 AATAATTATGATGCTGTCTCAGCCTTCTGCCCATACTGAAAAACACAGCCAGAACACAAATTCATCT
 GTGCAGTCAGTGTCTCCGCACTGTGCAGACAGCTCAAAGCTACCAGCTTGACGGCCCAAACACGGGCTT
 AAAGTCCCCCAGGCTGAAAGCAGTGACTCCAGGGCTGTGTACAGATTTGACTGTTTGGGAGTAGCCATG
 CTGCAACACATGCTACAGCTGCAGTGTAATGCCAGGCGATCACCTCCATATGCTACGCCGGGTCTAAAG
 AGAGCATCATTACCAACAGCAGGACAGTACGCCTTGCCACAGGCGTCTTCTGTTGTGAGCCTCTGAA
 CCACTCCTGCAGTCCCAACACAGTGTGCTCTTCACTAGCACTGTGCCACCATCCGGGCAGCACAGCAG
 ATCGCAAAAGGACAAGAGATTCTGCACTGCTACGGGCCTCATGAGAGCCGGATGGGTGTTGCTGAGAGGC
 AGCAGAGGCTGAGTTCTCAGTACTTCTTTGACTGCAGCTGTCCAGCCTGTACGCTGAGACACTGAGAGC
 AGCTGTGGCACCAGGTGGGAAGCCTTCTGTTGTAACACTTGCAAGTGGCCATGCAGGGAAATGATGTG
 CTGAGCTGTAGCAACGAATCTTGCAAACTCTGTGAGCAGGGACCGACTGGTCTCCCGCTGCAGGACC
 TTCAGCAACAGGTTACACAGCCAGAAGCTTCTCAGGAGTGATAGACCAGAGCAAGCCATTGAGCAGTT
 GTTGGAGTGCCAGAGGGCTGCTGAGAACTTCTGTGAGCAGAGCACACCGTGCTGGGAGAAATTGAAGAC
 GGCCTGGCCAGGCCTATGCTACCTTAGGCGACTGGCGACAGTCTGCTGCCCATGTACAGAAGAGTCTCC
 AGGTGGTTGAGGCTCGCCATGGCCATCCAGTGTGAAATTGGCCATGAGCTCTTCAAACCTGGCCCAAGT
 CTTGTTCAATGGGTTGGCAGTGCCTGAAGCTCTGGATGCCATATGGAAGGCAGAAAAGATCCTGTTGGTG
 CACTGTGGCCCTGAGAGTGATGAGGTCCAGGAGCTCCGGGAGATGAGGTCTGCTTACTGGACTCGTCCT
 TACCCCTGTGCGGCCCTTAGTGT**AG**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001105810

Insert Size:

2406 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:	<u>NM_001105810.1, NP_001099280.1</u>
RefSeq Size:	3249 bp
RefSeq ORF:	2406 bp
Locus ID:	287525
Cytogenetics:	10q24