

Product datasheet for **MC221740**

Smyd4 (NM_001102611) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Smyd4
Synonyms:	G430029E23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>MC221740 representing NM_001102611
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATCTACCGTGGATGAATGGAAGTCCTACCTACTTAAGAAGTGGGCTTCACTCCCGAAGTCTGTGC
AGGACACAATTTCTACAGCAGAGACTTTGAGCGACATCTTCCTTCTTCTTCCCTTCTTCAACCTGA
GGATGAGATGTTTTGAAGGAAGTTCTAGTAGTTACTCGGTGGAAGGACAATGATGCTCCCTCTTC
TACAGAGAAGAAGGAAACAGGAAATTCAGAAAGGAGTACACAGATGCTGCAGTGTCTACTCTAAGG
GAGTGTCTCATTCAAGGCCTAACACTGAGGACATTTCACTGTGCTATGCCAATCGCTCTGCAGCGCTCT
CCATCTGGGTCAAGTATGAAGCATGTCTTAAGACATAGTGAAGCAGGTATGCATGGGTATCCTGAAAGA
CTGCAGCCCCAAGATGATGGTGCCTAAGACAGAATGCCTGGTGAACCTGGGAGACTCCAGGAGGCAAGAC
AGACCATCAGTGATCTCGAAAGCAGCCTCACTGCCAAGCCAACCCTGGTCTTCTCTTACCAGATTCT
GCAAAGGAATGTCCAGCATCTGAAAATAAAGATCCAAGAAAGGAGACTCTCCAGAACCCATCCCTGCA
GCTCTCACCAATGCCTTCGAGGATATAGCCCTGGGGGAAGAGAACACACAGATTCTGGGGCTCCCTCT
CTGTACAGTTATGCACACACCTTTGAAAGGCCCATCTAGTTGCCACAAAAGACATTCTCCAGGAGA
ACTGCTGGTGAAGGAAGATGCTTTGTAAGTGTCTTATCCAGGAGAAATGCCACGACCTCATCATTGC
CTTGAGAACAAAGTGGGATACCAGAGTTACCAGTGGAGACCTCACTGTCAACGATGTCTGAAGCACACTT
TGGCCACAGTACCTTGTGGCAGCTGCAGCTATGCCAAGTATTGCAGCCAGGAATGTATGCAGCAGGCATG
GGACCTCTACCATAGCACAGAGTGTTCTTGGGGGGCTGCTCTCACACTCGGGGTCTTCTGCCATGTT
GCCCTGAGAATGACTCTTTAGCCAGATTGAAGATGTTGATAGAGTTGAAGGATGCTTTGTGACGAGG
TTGGTAGCACAGACACCTGTTTACCTGAAAGCAAGAATCTGGTCAAGGCATTTGATTACACAAGTCAGGG
AGAGAGTGAAGAGAAGAGCAAGATAGGTGAACCCCAATTCTGGATGCAATGTCAATGGAAAGTATGGA
AGTAATTATAATGCTATCTTCAGCCTTTGCCCCATACTGAAAAGCATAGCCCAGAACACAGATTATCT
GTGCCATCAGTGTCTCCGCACTGTGCAGACAACTCAAAGCTGACAGCGTGCAGGCCCAAACCTTAAAGTC
CCCTAAGCTGAAAGCAGTGACCCAGGGCTGTGTGCAGATTGACTGTTTGGGGAGCAGCCATGCTGCGA
CACATGCTACAGCTGCAGTGTAATGCCAGGCAATAACATCCATATGTACACAGGGTCTAACGAGAGCA
TCATTACCAACAGCAGGCAGATACGCCTTGCCACAGGCATCTTCCCTGTTGTACGCCTCCTGAACCACTC
CTGCAGGCCCAACACCACTGTGTCTTCACTGGCACTGTGCCACCGTCCGGGCAGCACAGAGGATCGCA
AAAGGACAGGAGATTCTGCACTGCTATGGGCCTCACGAGAGCCGGATGGGCGTTGCTGAGAGGCAGCAGA
GGCTGAGTTCTCAGTACTTCTTTGACTGCCGCTGTGGGGCCTGTACGCTGAGACACTGAGAGCAGCTGC
AGCTCCAGATGGGAAGCCTTCTGTTGAAGACTTGACAGAGCGCTCATGCAGGGAAATGATGTGCTGAGC
TGTAGCAACGAATCTTGACAAACTCTGTGACAGGGGACCACTAGTCTCTCGCTGCAGGACCTTCAGC
AACAGGTCTGCATGGCCAGAAGCTTCTCCGAACCGGTAACCAAGAGCAAGCCATTTCAGCAGTTGTTGCG
GTGCCGGGAGGCTGCTGAGAGCTTCTGTGACGAGAGCACACCGTACTGGGGGAAATTGAAGATGGCCTG
GCCCAGGCCCATGCTACCTTAGGGAAGTGGCTAAAGTCTGCTGCCCATGTACAGAAGAGTCTCCAGGTGG
TTGAAACTCGCCATGGGCCATCCAGTGTTGAAATTGGCCATGAGCTCTTCAAAGTGGCCCAAGTCTTATT
CAATGGGTTGGCAGTGCCTGAAGCTCTGAGTGCCATCTGGAAGGCAGAAAGGATCCTGTTGGTGCAGTGT
GGCCCTGAGAGTGAGGAGTCCGGGAGCTCCGGGAAATGAGGTCTGCTTACTGGACTCGTATTCGTCC
CTGTGGGGCCCTTGGTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001102611

Insert Size:

2400 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001102611.1</u> , <u>NP_001096081.1</u>
RefSeq Size:	3517 bp
RefSeq ORF:	2400 bp
Locus ID:	319822
UniProt ID:	<u>Q8BTK5</u>
Cytogenetics:	11 B5