

Product datasheet for **RG207305**

SMYD4 (NM_052928) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMYD4 (NM_052928) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SMYD4
Synonyms:	ZMYND21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207305 representing NM_052928
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATCTGCCTGTGGATGAGTGAAATCATATCTGCTTCAAAGTGGGCTTCACTCCCGACGTCTGTTC
 AGGTCACAATTTCTACAGCAGAGACCTTGAGGGATATCTTTCTTCACTCCTTCACTTCTTCAACCTGA
 GGATGAGCTGTTTCTAAAAAGACTTTCTAAAGGTTACTTGGTGGGAAAGGACTCGGACGCTCCTCTTTTC
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 GAGTGTACATTCAAGGCCTAACACTGAGGACATGTCACTGTGTCATGCTAACCGCTCGGACGCCCTCTT
 CCACCTGGGTGAGTATGAGACGTGCTTAAAGACATTAACATAGCACAGACACATGGGTATCCAGAAAGG
 TTGCAACCAAGATTATGTTACGTAAGCAGAATGTCTGGTGGCCCTGGGAGACTGCAGGAGGCAAGCC
 AGACCATCAGTGATCTTAAAGGAACCTCACAGCCACACCAGCCCTAGCAGATGTCCTCCCTCAGACTCT
 GCAGAGAAACCTCCATCGTCTGAAAATGAAGATGCAAGAAAAGGACAGTCTCACAGAAAGCTTCCCAGCA
 GCTCTGGCCAAAACCTTGGAGTGCAGCGCTGAGGGAGGAGAATGAACAACCTTCCAATGCCTCATCAT
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 GCTCCTGGTGCAGGAGGATGCTTTGTGAGTGTCTCAACCCAGGAGAAGTCCACCACCGCATCACGGC
 CTAGACAGCAATGGGACACCAGAGTCACCAATGGGGACCTCTATTGTCACCGATGTTTGAAGCACACTT
 TGGCCACAGTTCGCTGTGACGGATGCAGTTATGCCAAGTATTGCAGCCAGGAGTGTTCAGCAGGCTG
 GGAGCTTACCACAGGACAGAAATGTCCTCTGGGAGGGCTGCTTCTCACTGGGTGTCTTTGCCACATT
 GCCCTGAGGTGACTCTTTTGGTGGGATTTGAGGATGTTGCGAAAATCATAACGAAGCTTGTGATAAGA
 TTAGTAACAAGGACATCTGTTTACCTGAAAGCAACAATCAGGTCAAGACACTTAATTATGGCCATAGGGA
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 CTAAGGGAGCATCGTTACCGACAGCAGGAGGTGCGCCTTGCCACAGGCATCTTCCCTGTTATCAGCCT
 CCTGAACCACTCCTGTAGCCCAACACCAGCGTGTCTTATTAGCACTGTGCCACCATCCGGGCGTCA
 CAGCGGATTAGAAAGGGCAAGAGATTCTCCACTGCTATGGGCCACAAAGAGCCGGATGGGGGTTGCCG
 AAAGGCAGCAGAAGCTGAGGTCTCAGTATTTCTTTGACTGCGCCTGTCCAGCTTGTCAAACCTGAGGCACA
 CAGGATGGCTGCAGGGCCAGGTGGGAAGCATTCTGTTGCAACAGTTGCGGAGCGCCATGCAGGGAGAT
 GACGTGCTGCGCTGTGGCAGCAGATCTTGTGCAGAATCCGCCGTGAGCAGGGACCACCTGGTCTCTCGGT
 TACAGGACCTACAGCAGCAGGTGAGTGGCCAGAAGCTTCTCAGAGATGGTGAAGTAGAGCGAGCTGT
 TCAGCGGCTGTGCGGGTGCCAGCGTGACCCGAGAGCTTCTGTGGGCAGAGCACGCCGTGGTGGGAGAG
 ATCGCGGATGGCCTGGCCCGGCTGTGCTGCCTTAGGAGACTGGCAAAGTCAAGCCACCATCTACAGA
 GGAGTCTCTGCGTGGTGGAGTTGCCACGGCCGTCCAGTGTGAAATGGGCCATGAGCTCTTCAAATT
 GGCCAGATCTTTTCAACGGTTTGCAGTACCCGAAGCCCTGAGCACAATACAGAAAGCTGAGGAGGTT
 CTGTCGCTGCAGTGTGGCCATGGGACGATGAAATCCAGGAGCTCCAGAAGATGAAATCCTGTTTGTGG
 ACTTACCACCCACCCTGTAGGGCTGCATTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG207305 representing NM_052928
Red=Cloning site Green=Tags(s)

MDLPVDEWKS YLLQK WASLPTS VQVTISTAETLRDIFLHSSSLLQPEDEFLKRLSKGYLVGKSDAPLF
YREEGNKKFQEKDYTGAAVLYSKGVSHSRPNTE DMSLCHANRSAALFHLGQYETCLKDINIAQTHGYPER
LQPKIMLRKA ECLVALGR LQEASQTI SDLERNFTATPALADVLPQTLQRNLHRLKMKMQEKDSLTESFPA
ALAKTLEDAALREENEQLSNASSSIGLCVDPLKGRCLVATKDILPGELLVQEDAFVSVLNP GELPPP HHG
LDSKWDTRVTNGDLYCHRCLKHTLATVPCDGCSYAKYCSQECLQQWELYHRTECP LGLLLLTLGVFCHI
ALRLTLLVGFEDVRKIITKLCDKISNKDICLPESNNQVKTLNYGLGESEKNGNIVETPIPGCDINGKYEN
NYNAVFNLLPHTENHSPEHKFLCALCVSALCRQLEAASLQAIPTE RIVNSSQLKAAVTPELCPDVTIWGV
AMLRHMLQLQCNAQAMTTIQHTGPKGSI V TDSRQVRLATGIFPVISLLNHSCSPNTSVSFISTVATIRAS
QRIRKGGQEILHCYGPHKSRMGVAERQQKLR SQYFFDCACPACQTEAHRMAAGPRWEAFCCNSCGAPMQGD
DVLRCGSRSCAESAVSRDHLVSRLQDLQQVVRVAQKLLRDGELERAVQRLSGCQRDAESFLWAEHAVVGE
IADGLARACAALGDWQKSATHLQRSLCVVEVRHGPSSVEMGHELFKLAQIFFNGFAVPEALSTIQKAEV
LSLHCGPWDEIQELQKMKSCLLDLPPTPVGPAL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfi-MluI

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: [NM_052928.1](#), [NP_443160.1](#)

RefSeq Size: 4269 bp

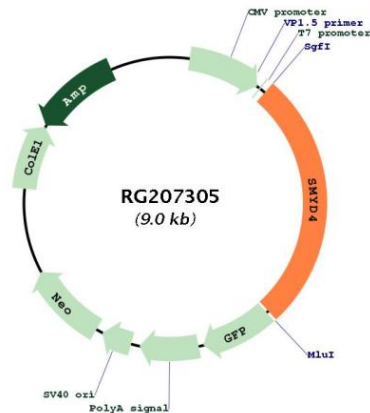
RefSeq ORF: 2415 bp

Locus ID: 114826

UniProt ID: [Q8IYR2](#)

Cytogenetics: 17p13.3

Product images:



Circular map for RG207305