

Product datasheet for **RG229229**

SPRYD5 (TRIM51) (NM_032681) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPRYD5 (TRIM51) (NM_032681) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SPRYD5
Synonyms:	SPRYD5; TRIM51A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG229229 representing NM_032681
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATTCGGAATCTTGCAAGTCTTCCAGAGGGCACTCACCTGTCCCATCTGCATGAACACTCTCCTAG
 ACCCAGTCACCATAGACTGTGGGCACAGCTTTTGGCGGCCCTGTTGTACCTCAACTGGCAAGACACGGC
 AGTTCTTGCTCAGTGCTCTGAATGCAAGAAGACAACGCGGCAGAGAAACCTCAACACTGACATTTGTTTG
 AAGAACATGGCTTTTCATTGCCAGAAAAGCCAGCCTCCGGCAATTCCTTAGCTCTGAGGAGCAAATATGTG
 GGATGCACAGAGAGACAAAGAAGATGTTCTGTGAAGTGGACAAGAGCCTGCTCTGTTTGGCGTGCTCCAA
 CTCTCAGGAGCACCAGGAATCACATACACTGTCCATTGAGTGGGCTGCTGAGGAACGCCGGGAGGAGCTC
 CTAACAAAAATGCAGTCTTTATGGGAAAAAGCTTGTGAAAATCTCAGAAATCTGAACATGGAACACACAA
 GAACCAGATGCTGGAAGGATTATGTGAGTTTAAGGATAGAAGCAATCAGAGCTGAATATCAGAAGATGCC
 TGCATTTCTCCATGAAGAAGAGCAACATCACTTGGAAAGGCTGCGAAAGGAGGGCGAGGACATTTTTCAG
 CAACTCAATGAAAGCAAAGCCAGAATGGAACATTCCAGGGAGCTTTTAAGAGGAATGTATGAGGATCTGA
 AGCAAAATGTGCCATAAAGCAGATGTGGAGCTACTCCAGGCTTTTGGAGACATATTACACAGGTATGAGTC
 TCTGCTGCTGCAAGTGTCTGAGCCTGTGAATCCAGAGCTCAGTGCAGGGCCCATCACTGGACTGCTGGAC
 AGCCTCAGTGGATTGAGATTGATTTTACTCTGCAGCCTGAAAGAGCCAAATAGTCATATCTTCTGTGTG
 GAGATTGAGAAGCATGAATGTTGGATGTGACCCTCAAGATGATCCGATATCACTGGAAAATCTGAATG
 TTTTCTTGATGGGGGGCTCAGGCTTTCACATCTGGCAAAATATTATTGGGAGGTTTATATGGGGACTCT
 TGAATTTGGGCTTTTGGTGTCTGTAACAATTATTGGAAAGAGAAGAGACAGAATGACAAGATAGATGGAG
 AGGAGGGACTCTTCTTCTTGGATGTGTTAAGGAGGACACTCACTGCAGTCTCTTTACCACCTCCCCACT
 TGTGGTGCAATATGTTCCAAGACCTACCAGCACAGTAGGATTATTCTTGATTGTGAAGGTAGAACCCTG
 AGCTTTGTTGATGTTGATCAAGTTCCTGATATACACCATCCCCAATTGCTCCTTCTCACCTCCTCTCA
 GGCTATCTTTTCTGTAGTCACTTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

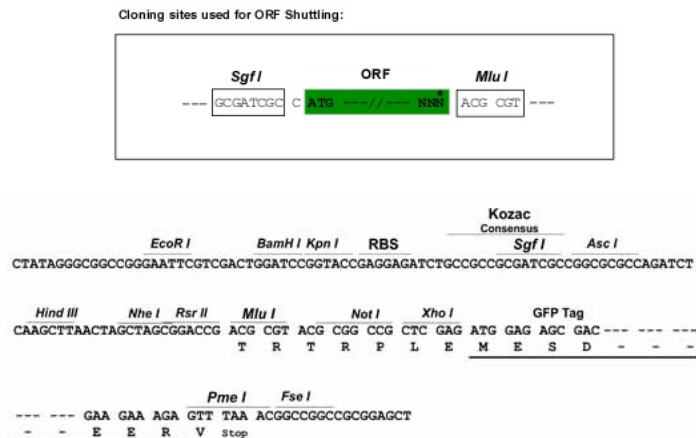
>RG229229 representing NM_032681
 Red=Cloning site Green=Tags(s)

MNSGILQVFQRALTCPICMNYFLDPVTIDCGHSFCRPCLYLNWQDTAVLAQCSECKKTRQRNLNTDICL
 KNMAFIARKASLRQFLSSEEQICGMHRETKMFCCEVDKSLCLPCSNSQEHRNHIHCPIEWAAEERREEL
 LKKMQSLWEKACENLRNLNMETTRTRCWKDYVSLRIEAIKAEYQKMPAFLHEEQHHLERLRKEGEDIFQ
 QLNESKARMEHSRELLRGMIEDLKQMKHADVLLQAFGDILHRYESLLLQVSEPVNPELSAGPITGLLD
 SLSGFRVDFTLQPERANSHIFLCGDLRSMNVGCDPQDDPDITGKSECFLVWGAQAFSTSGKYYWEVHMGDS
 WNWAFGVCNNYWKEKRQNDKIDGEEGLFLLGCVKEDTHCSLFTTSPLVVQYVPRPTSTVGLFLDCEGRV
 SFVDVDQSSLIYTIPNCSFSPPLRPICCSHF

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_032681

ORF Size: 1356 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_032681.4](#)

RefSeq Size: 1648 bp

RefSeq ORF: 1359 bp

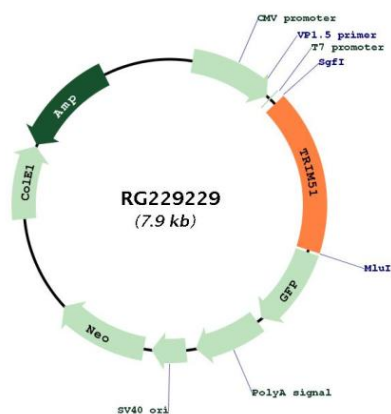
Locus ID: 84767

UniProt ID: [Q9BSJ1](#)

Cytogenetics: 11q12.1

Protein Families: Druggable Genome

Product images:



Circular map for RG229229