

Product datasheet for **RG203851**

RSPRY1 (NM_133368) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RSPRY1
Synonyms:	SEMDFA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG203851 representing NM_133368
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATCGTCTTTGGTTGGGCCGTGTTCTTAGCGAGCAGAAGCCTTGCCAGGGTCTGTTGTTGACTCTCG
 AAGAGCACATAGCCCACTTCTAGGGACTGGAGGTGCCGCTACTACCATGGGTAATTCCTGTATCTGCCG
 AGATGACAGTGGAAACAGATGACAGTGTGACACCAACAGCAACAGGCCGAGAACAGTGCAGTACCCACT
 GCTGACACAAGGAGCAACACGGGACCCGTGTTGCGCCACCAAGGAGGGGCCGAGGACCTCATGAGCCAA
 GGAGAAAGAAACAAAATGTGGATGGCTAGTGTGGACACACTGGCAGTAATACGGACTCTTGATAGATAA
 TGATCAGGAACCTCCCTATTCATGATAACATTACACGAAATGGCAGAAACAGATGAAGGATGGTTGGAT
 GTTGTCCAGCTCTTAATTAGAGTTATTCCACTGGAAGATCCACTGGGACCAGCTGTTATAACATTGTTAC
 TAGATGAATGTCCATTGCCCACTAAAGATGCACTCCAGAAATTGACTGAAATTCTCAATTTAAATGGAGA
 AGTAGCTTGCCAGGACTCAAGCCATCTGCCAAACACAGGAACACATCTGCAGTCTAGGCTGCTTGGCC
 GAGAACTAGCAGGTCCTGCAAGTATAGGTTTACTTAGCCAGGAATACTGGAATACTTGCTACAGTGTC
 TGAAGTTACAGTCCACCCACAGTCATGCTTTTGCACCTATCGCACTGGAAAAGTTTGCACAGACAAG
 TGAAAAATAATTGACTATTTCTGAATCCAGTATTAGTGACCGGCTGTGCACATTGGAGTCTGGGCTAAT
 GATCCTGATTATCTGAACGTCAGTTGGTTTCTGTGCCAGTGGAGCTTAGACAATCTCTTTTAAAAG
 AAGGTAGACAGCTGACCTATGAGAAAGTGAACCTTGAGTAGCATTAGGGCCATGCTGAATAGCAATGATGT
 CAGCGAGTACCTGAAGATCTCACCTCATGGCTTAGAGGCTCGCTGTGATGCCTCCTCTTTTGAAGTGTG
 CGTTGCACCTTTTGTGGATGCCGGGTATGGTACTATGAAGTAACAGTGGTCACTTCTGGCGTCATGC
 AGATTGGCTGGGCCACTCGAGACAGCAAAATCTCAATCATGAAGGCTACGGCATTGGGGATGATGAATA
 CTCCTGTGCGTATGATGGCTGCCGGCAGCTGATTGGTACAATGCCAGAAGTAAGCCTCACATACACCCA
 TGCTGGAAAGAAGGAGATACAGTAGGATTTCTGTTAGACTTGAATGAAAAGCAAATGATCTTCTTTTAA
 ATGGCAACAGCTGCCTCCTGAAAAGCAAGTCTTTTCTACTGTATCTGGATTTTTTGTGTCAGCTAG
 TTTCTATGTCATATCAACAATGTGAGTTCAATTTTGGAGCAAAACCATTCAAATACCCACCATCTATGAAA
 TTTAGCACTTTTAAATGACTACGCCTTCCTAACAGCTGAAGAAAAAATCATTTTGGCAAGGCACAGGCGTC
 TTGCTCTGTTGAAGCAAGTCAGTATCCGAGAAAAGTCTGTTCCCTTTGTTGTGATGAGGTAGCAGACAC
 ACAATTGAAGCCATGTGGACACAGTGACCTGTGCATGGATTGTGCCTTGACAGCTGGAGACCTGCCATTG
 TGTCGTAAGAAAAATAGTATCTAGAATCAGACAGATTTCTCATTTTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203851 representing NM_133368
 Red=Cloning site Green=Tags(s)

MIVFGWAVFLASRLGQGLLLTLEEHIAHFLGTGGAATTMGNSCICRDDSGTDDSVDTQQQQAENSAVPT
 ADTRSQPRDPVRPPRRGRGPHEPRRKQNVNGLVLDLAVIRTLVDNDQEPYSMITLHEMAETDEGWLD
 VVQSLIRVIPLDPLGPAVITLLDECPLPTKDALQKLTEILNLNGEVACQDSSHPAKHRNTSAVLGCLA
 EKLAGEPASIGLLSPGILEYLLQCLKLQSHPTVMLFALIALEKFAQTSENKLTISSSSDRLVTLESWAN
 DPDYLRQVGFCAQWSLDNLFLKEGRQLTYEKNLSSIRAMLSNDVSEYVKISPHGLEARCDASSFESV
 RCTFCVDAGVWYEVTVTSGVMQIGWATRDSKFLNHEGYGIGDDEYSCAYDGRQLIWYNARSKPHIHP
 CWKEGDTVGFLLDNEQMIFFLNQNLPEKQVFSSTVSGFFAAASFMSYQQCEFNFGAKPFKYPPSMK
 FSTFNDYAFLTAEKIIILPRHRLALLKQVSIRENCCSLCCDEVADTQLKPCGHSCLCMDALQLETCP
 CRKEIVSRIRQISHIS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133368

ORF Size: 1728 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.

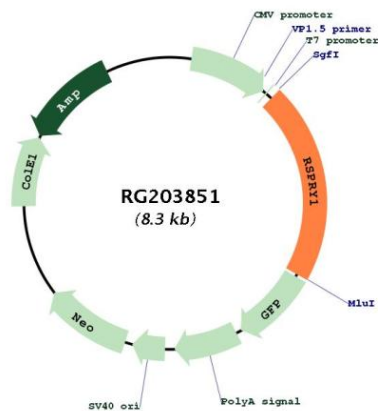
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_133368.3](#)

RefSeq Size: 2084 bp

RefSeq ORF:	1731 bp
Locus ID:	89970
UniProt ID:	Q96DX4
Cytogenetics:	16q13
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	This gene encodes a glycoprotein that contains a RING-type zinc finger domain and an SPRY domain of unknown function. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Feb 2015]

Product images:



Circular map for RG203851