

Product datasheet for **MG204177**

Spry4 (NM_011898) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spry4 (NM_011898) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Spry4
Synonyms: A030006O18Rik; sprouty4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204177 representing NM_011898
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCCCCGTTCCACAGAGCAGCGTCCCTGTGAATCCCAGCTCAGTCATGGTGCAGCCCCTCCTTG
ACAGCAGAGCGCCCCACAGCCGGCTCCAGCACCCACTCACCATCTTACCCATTGACCAGATGAAGACCAG
CCACGTGGAGAATGACTACATAGACAACCCTAGCCTGGCCCTGCCACGGGTCCAAGCGCCCCGGGGC
GGGCCACCAGAGCTGGCTCCTACACCTGCCCGCTGTGACCAGGATATTACTCACCCTGGATCTCCTTCA
GCGGTTCGCCCCAGCTCTGTAAGCAGCAGTAGCAGCACTTCTCCGACCAGAGGCTCCTAGATCACATGGC
TCCACCGCCCGTGGCTGAGCAGGCTCACCCAGGCTGTGCGCCTCCAGCCCAAGGTGGTCACTGTAAG
CCGCTGGACCTCAAAGGCCCGACAGCTCCGCCAGAGCTAGACAAGCACTTCTTGCTGTGTGAGGCCTGTG
GAAAGTGAAGTCAAAGAGTGTGCGTCCCTCGGACGTTACCTTCTGCTGGTCTGCAACCAGGAGTG
CCTGTGCTCGGCTCAGACGCTGGTCAACTATGGCAGATGCATGTGTCTGGTGCAAGGTATCTTCTATCAC
TGTAATAAGGAGTATGAGGGCTCTTGCGCCGACCACCCTGCTCCTGTTCCGGCTCAAAGTCTGCGC
CCCCTGGTCTCATGGGCGCCCTCTGTGGTGTGCCCTGTCTGTGTGCTACCTGCCGGCCACAGG
CTGCGTCAAGCTGGCCAGCGAGGCTACGACCCCTGAGACGCCCGGTTGCCGTGCAAGCACACGAAC
AGCGTCATCTGCAAGGCAGCCAGTGGGGACACCAAGACCAGCAGGTCTGACAAGCCTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204177 representing NM_011898
 Red=Cloning site Green=Tags(s)

MEPPVPQSSVPVNPSSVMVQPLLDSPRAPH SRLQHPLTILPIDQMKTSHVENDYIDNPSLAPATGPKRPRG
 GPPELAPTPARCDQDITHHWISFSGRPSSVSSSSSTSSDQRLLDHMAPPVVAEQASPRAVRLQPKVVHCK
 PLDLKGP TAPPELDKHFLLCEACGKCKCKE CASPRTLPSCWVCNQECLCSAOTLVNYGTCMCLVQGIFYH
 CTNEDDEGSCADHPCSCSGSNCCARWSFMGALSVVLPCLLCYLPATGCVKLAQRGYDRLRRPGCRCKHTN
 SVICKAASGDTKTSRSDKPF

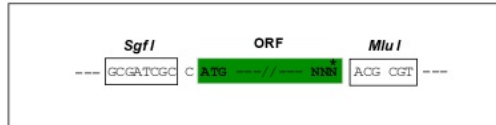
TRTRPLE - GFP Tag - V

Restriction Sites:

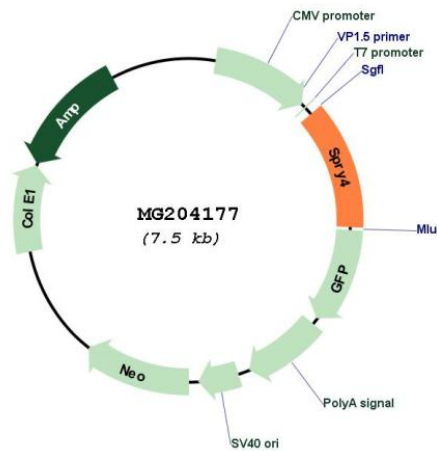
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_011898

ORF Size: 900 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:	<ol style="list-style-type: none">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_011898.3
RefSeq Size:	4611 bp
RefSeq ORF:	903 bp
Locus ID:	24066
UniProt ID:	Q9WTP2
Cytogenetics:	18 20.5 cM
Gene Summary:	Suppresses the insulin receptor and EGFR-transduced MAPK signaling pathway, but does not inhibit MAPK activation by a constitutively active mutant Ras. Probably impairs the formation of GTP-Ras (By similarity). Inhibits Ras-independent, but not Ras-dependent, activation of RAF1 (By similarity).[UniProtKB/Swiss-Prot Function]