

Product datasheet for MR221231

Spry3 (NM_001030293) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spry3 (NM_001030293) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spry3
Synonyms:	Gm391; Gm1409; sprouty3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221231 representing NM_001030293 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGCCACAGTGATAGATGAGCTCCAACAAATTCTGCCTATTGAACAGCTGCGCTCTACTCAGCCTA
GCAATGATTATGTGGAACGGCTCCAGCACCTGTAAACAAGCTTTCTAGCCCTCCCTCATTGTGCA
AACCCACAAATCTGATTGGTCCCTGGCTACCATGCCTACTGCTCTCCACGCAGTATCAGCCAGTGCCAT
CAGCTGCAGCCCCTGCCTCAGCATCTGAGCCAGTCTAGTATTTCCAGCTCAATGTCCAAAGCACCCTG
CCTCTGATCAAAGGCTCTTGCCAGCATTACACCTCTCCTTCAGGCCAGTCCATCATCAGAACCAGCC
TGGAGCAGGGGCCACCCAAAGGTCGATGGTGTCTGAAGGGAGAAGCTGAGCAATCTGTAGGGCATTCC
AGTGATCACCTCTTTATCTGCGAGGAGTGTGGCGCTGCAAGTGTGTCCCTTGACAGCGGTTTCGCCCTC
TGCCCTCTGCTGGATGTGCAACCAGCGTTGCCTTTGCTCTGCTGAGAGCCTCCTTGATTATGGCACTTG
CCTCTGCTGTGTCAAGGGCCTCTTACCCTGTTCCACTGATGATGAAGACAACCTGCGCTGATGAGCCC
TGCTCCTGTGGGCTAGCTTTGCTTATTGCTGGGCGAGCCATGAGTCTCATCTCCCTTTTCTTACCCT
GCCTGTGCTGCTACCTGCCTACACGTGGATGCCTCCATATGTGCCAGCAGGGCTATGATAGCCTCCGTCC
ACCAGGCTGCCGCTGTAAGAGGCACACCAACACTGTGTGCAGAAAAATCTCTTAGCAGTTCACCCCTC
CCAAGGCGCAAGAAAAGTCTGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001030293.2](#), [NP_001025464.1](#)

RefSeq Size: 4542 bp

RefSeq ORF: 867 bp

Locus ID: 236576

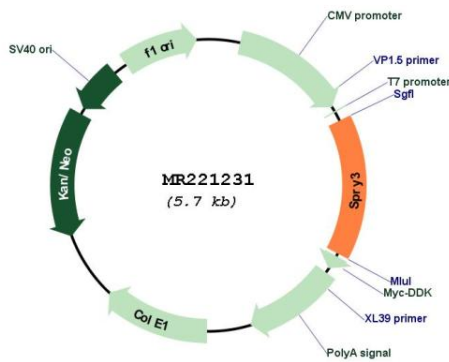
UniProt ID: [Q3UUD2](#)

Cytogenetics: X

MW: 31.8 kDa

Gene Summary: Inhibits neurite branching, arbor length and neurite complexity (PubMed:26089202). Inhibits EGF-mediated p42/44 ERK signaling (PubMed:16877379). Negatively regulates the MAPK cascade, resulting in a reduction of extracellular matrix protein accumulation (By similarity). May function as an antagonist of fibroblast growth factor (FGF) pathways and may negatively modulate respiratory organogenesis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221231