

Product datasheet for **MR214034**

Spag6 (NM_001001334) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spag6 (NM_001001334) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spag6
Synonyms:	Spag6l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR214034 representing NM_001001334
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCCAGCGGCAGGTGCTGCAAGTGTTCGAGCTGTACCAGAACGCCCGGACCCGGTTTGTGCAGATGG
 TGGCGGAGCAGGCGACCAACCCAGAACATCGAGACTGCAGAATGCGGGTATAATGTCTTTGCTGAG
 GCCTCTTCTTCTGGACGTGGTCCCAACCATTCAGCAGACTGCTGCCTTGCTCTGGGAGGCTGGCCAAC
 TACAACGATGACTTAGCAGAAGCAGTCGTGAAGGGTGACATTCTCCACAGCTTGTGATTCATTGGCAG
 AGCAGAATTGTGTCTACAAGAAGGCAGCTGCGTTTGTGCTGCGAGCGGTTGGTAAACTCTCCTCAGCT
 GGCGCAGGCCACAGTTGACTGTGGTGCCTGGACTCACTGGTGTCTGCTTGAAGATTTTGACCCTGGA
 GTCAAGGAGGCTGCAGCCTGGGCACTTGCATATATTGCAAGGCATAATGCAGAACTGTGCAAGCTGTGG
 TGGATGCGGGAGCTGTTCTCTTTAGTCTCTGTATCCAGGAGCCGAGACTGCTTTGAAAAGGATCGC
 TGCTCGGCCCTCAGTGATATTTCAAAGCACTCCCAGAGTTAGCACAAACGGTGGTGGATGTAGGAGCT
 ATTGCTCACTTAGCCAGATGATCCTCAACCCGATGAGAACTGAAGCAACAGGTCCTCTCAGCTCTGA
 GTCACATCGCAAGCACTCGGTGGACCTGGCAGAGATGGTTGTGGAGGCAGAGATTTCCAGTTGTTCT
 CACCTGTCTGAAGGACAAAGATGACTTCGTGAAGAAGAATGCTTGTACTCTGATTAGAGAGATCGAAAA
 CATAACCAGAGCTCTCGCAGCTGATTGTTAATGCCGGAGGTGTGGCTGCCGTGATCGACTGCATCGGGT
 CCTGCAAAGGGAACATACGGCTGCCTGGCATCATGATGCTGGGTTACATGGCTGCTATTCTGAGAACCT
 GGCCATGGCGGTGATCATCTCAAGGGTGTACCCAGTTGTCAGACTGCCTGTGAGAAGAACCGGAAGT
 CATATTAAGGCTGCGGCTGCCTGGGCTCTAGGGCAGGTTGGGAGGCACACTCCAGAACATGCTCGGGCTG
 TCGCCATCACAAACAGTTGCCGCTGCTGGCTTGTACATGTCCCAGAGAGCTCTGAGGAGCTGCA
 GGTGAAAAGTAAAAAGGCCATAAAGAATATCATCCAAAAATGCACCTACCTCCCGGCGCTTGAGCGGTTT
 CTCTATGATGCGCCTCCCAATATCCTGAAGTATGTCGCTGGACAGTTCAGTAAGGTGCTGCCACATGACA
 GCAAAGCTCGTCGGCTTTTTGTAACAAGTGGTGGACTTAAAAAGATCCAAGAGATCAAAGCAGAACCTGG
 TTCCATCTCCAAGAGTATATCAACAACATCAACAGCTGTACCCAGAGGAAATAGTAAGGTACTATTCT
 CCTGGATACTCAGACATACTTCTGCAGAGGATCGACAGCTATCAGCCTCTTATTAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR214034 representing NM_001001334
 Red=Cloning site Green=Tags(s)

MSQRQVLQVFEL YQNARTRFVQMVAEQATKPQNIETLQNAGIMSLRPLLLDVVPTIQQTAALALGRLAN
 YNDLLAEAVVKGDILPQLVYSLAEQNCVYKAAAFVLRVAVGKHSPQLAQATVDCGALDSL VICLEDFDPG
 VKEAAAWALAYI ARHNAELSQAVVDAGAVPLLVL CIQEPETALKRIAASALSDISKHPELAQTVVVDVGA
 IAHLAQMILNPDEKLKQVLSALSHIAKHSVDLAEMVVEAEIFPVVLTCLKDKDDFVKNACTLIREIAK
 HTEPELSQLIVNAGGVAVIDCIGSCKGNIRLPGIMMLGYMAAHSENLAMAVIISKVGPQLSDCLSEEPED
 HIKAAAALWALGQVGRHTPEHARAVAITNTLPVLLALYMSPESEDLQVKSKAIAIKNIQKCTYLPALPEPF
 LYDAPPNILKYVAGQFSKVLPHDSKARRLFVTSGLLKKIQEIKAEPSILQEYINNINSCYPEEIVRYYS
 PGYSDILLQRIDSYQPLIN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9071_e03.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001001334

ORF Size: 1527 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_001001334.2](#), [NP_001001334.2](#)

RefSeq Size: 1651 bp

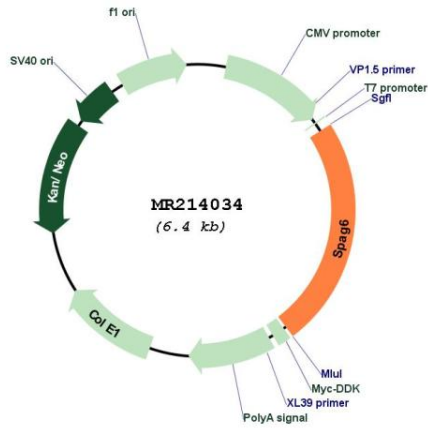
RefSeq ORF: 1530 bp

Locus ID: 381350

Cytogenetics: 2 A3

MW: 55.4 kDa

Product images:



Circular map for MR214034