

Product datasheet for **MR220728**

Spata2l (NM_030176) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spata2l (NM_030176) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spata2l
Synonyms:	2610039E05Rik; AI648233; mKIAA4138
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR220728 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCAGCAGCTCACTGTCCGAGGACTATCGCCAGTGCCTGGAGCGGAGCTGCGGCGCGGCCGCGCGG
 GCGTTTTCGCGGACCCCTCGCTGCGCGCGGTGCTCTGGCAGATTCTGGTGAAGACTTTGACCTGCACGG
 GGCCTACAGGACGATGCGCTAGCCCTGTTCACTGATGGCCTGTGGGGCGGGCTGACCTGGCACCGGCC
 CTCCAAGATCTGGCCCGCCTTTGAGCTCCTAGAGCTGGCCGCTGTGCACCTGTACCTGCTGCCCTGGA
 GAAAGGAGTTCACCACTATCAAGACCTTCTCAGGGGGCTATGTGCATGTGCTGAAGGGTGTACTCTCTGA
 GGAGCTCCTGACTCGAAGCTTCCAGAAGATGGGCTACGTGCGCAGGGACAACCACCGCTAATGGTGACC
 ACCCCACCCCTGCCTGCCAGTGGTGCAGGTGGCCCTAGGTTGCTTTGCTCTTCGGTTGGAGTGTGAGA
 TCCTAAGTGAGGTCTGACTCAGCTGGTACAAGCGTACTACCAGCCGAGGAGCTGCTCCGAGCTCGACG
 GGCTAGTGGGGATGTAGCCTCCTGTGTGGCCTGGCTGCAGCAACGCCTGGCCCAAGATGAGGAGCCACCA
 CCTCTGCCCCCTCGGGGCACACCTGCCACTTATGGGGCCCCAGTGGACCTGTATCAGGACCTGCAGGAAG
 ATGAGAGCTCAGAGGCCAGTCTGTATGGTGAGCCTTCCCCAGGGCTGGACTCGCCTCCTGTGGAGCTGGC
 TTACAGGCCACCACTCTGGGAGCAGAGTGCCAAACTATGGGGTCTGGAGGTGAGCCCTGGGAACCGCCA
 GCTGATGATATGCATCGGGCCAGCAGCCACCATATGGGGCTCTGGAAGAGGAGCTGGAGCCAGAACCCT
 CTGCTTTCTCCTTCTTCTCTGCGCCGTGAGCTGAGTCGCTCAGGAGACTTAGCTCCCCCTGAGTCCCC
 TTCAAGCCCCGGCAAGCCAGCCCCGACACAGGCAGGCAGAAGCAGCTGCATCCTCGGCCTATGGGCCT
 GCTGTTGAGCCTCTGAGCTACCAGGCACACAGCTGCTTGGCCCTGGCAACCTACCCACCTCTGCTGTG
 ACACCTGCCGCCAGCTCCATGCTACCCACTGCCTGCCCTATCTGCCTGCCGCCGACTCATTACTGCG
 CATTCTTCTTGGTGACAACCAGAGACGCCTGTGGCTGCAACGAGCACAGGTGGATAACCTGCTCTATGAC
 AGTCTGGGGCCCATCCC

ACGCGTACGCGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220728 protein sequence
 Red=Cloning site Green=Tags(s)

MGSSSLSEDYRQCLERELRRGRAGVCGDPSLRVAVLWQILVEDFDLHGALQDDALALFTDGLWGRADLAPA
 LQDLARAFELLEAAVHLYLLPWRKEFTTIKTFSGGYVHVLKGVLSEELLTRSFQKMGYVRRDNHRLMVT
 TPPPACQLVQVALGCFALRLECEILSEVLTQLGTSVLPAEELLRARRASGDVASCVAWLQQLAQDEEPP
 PLPPRGTPTYGAPVDLYQDLQEDSESEASLYGEPSPGLDSPPELAYRPPPLWEQSAKLWSSGGQPWEPP
 ADDMHRASSPPYGALEEEEPEPSAFSFLSLRRELRSRGLDAPPESSPSPGQASPRHRQAEAAASSAYGP
 AVEPLSYQAHSCLSPGNLPTLCCDTCRQLHATHCTALSACRPTHSLRILLGDNQRRLLWQRAQVDNLLYD
 SPGAHP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_030176

ORF Size: 1281 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_030176.3](#)

RefSeq Size: 2380 bp

RefSeq ORF: 1281 bp

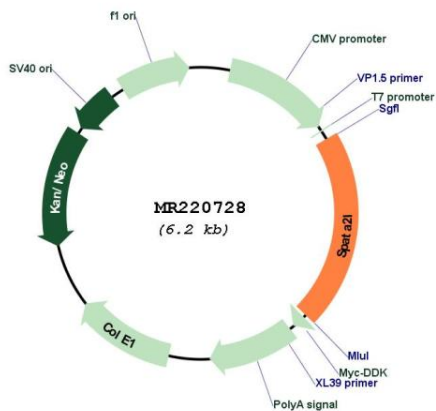
Locus ID: 78779

UniProt ID: [Q8BNN1](#)

Cytogenetics: 8 E1

MW: 46.8 kDa

Product images:



Circular map for MR220728