

Product datasheet for MR213482

Spata32 (NM_177801) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spata32 (NM_177801) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spata32
Synonyms:	4933400C05Rik; VAD1.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR213482 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGTGACAGGTATCAGTACATTTCCCTGCTGCGGCAAGGATTCAGTGGACATTGTGGAAAGACAGA
GTGACCACCACCGCCACCACCACCATCACCCATGAAGAAAACGAGGATGAAGATACAGAGGTAGAAGC
AGAGTTACCAAGGACAGAGCCCCACCCAAAGTGGACCCAGAGCTAGGTCCAGTACCACAGCTGGAGGAG
ATGGAGCCAGAATTACCCTCTAAAACACGCCCGAGACTGAAGGAGACAGCTACACTGAAAGCCCGGAGC
AGCAGAACTACAGGATGGAATCCCTCAAGCCCTATGAAGAGGAGGAGATGGCGGCCGGTATCGCTCCAT
CCCTGTGCAGACCTCTAAACATCTTTTCTGGTCAAACAAGCTCATCCAGGCGTCGGAGCAGACTACAG
AAGGCCTTAGAAAAGCATCACAGGAGCCCCAGGAGAAGTCCATCTCCATATCCCAGGTCTACACAGAAT
GTACCAACCACCATCCAGCCCCCAGTGTCTCGCCCCACCACGCCACAGCCATTGGCCTAGCCGATCT
GATCAACTTCGCATCGTCTCTGGCTGTAGCCTCCTCCAGCAACATGGCCTTGCTAACTTAGAGAACATG
ATCAAAGGAACATCTGAGAAGTCCCAGAATACCTTTAGACTTCTGTGAGCCTGTCCAGGCCATCAAGT
TTGCCCAGGCTACCCAGATCACCCAGATATCCTCAGAGAAGCAAGATGAGTCCCCAAAAGCATGGCTCA
CAAATCTTGGACTCGGGAACCAGGAATGTAGCTTGCTTTACCTGGATATTAACCAGGCAGGGCTCAAG
ACAGCTACCATCCAAGGGGAAGTGAAGTTGTCCAGACACCAATCGCATCCCCTCAGTTCAGGAAGCCA
AAGAGGACTCGGTGCCGGAACCAAGAAAGGAATCCATTATTGCTGAAAATCCATTTAAAGCTGTATC
CCCTCAGCCCCAGAGAAATGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR213482 protein sequence
Red=Cloning site Green=Tags(s)

MGVTGISTFPCCGKDSVDIVERQSDHRRHHHHHTHEENEDEDTEVEAELPRTEPPPKVDPPELGPVPLQEE
 MEPELPSKTTPETEGDSYTESPEQQNYRMESLKPYYYYEEMGGRYRSIPVQTSKHLFWSNKLIQASEHSLQ
 KALEKHHRSPQEKISISQVYTECTQPPSSPPVSRPTTPTAIGLADLINFASLAVASSNMALPNLENM
 IKGTSEKSQNTSLDFCQPVQAIFKAQATQITQISSEKQDESPKSMHKSWTRETNRVACSYLDINQAGLK
 TATIQGEVKFVQTPIASPQLQEAKEDSVPGTKKGNPLLLKIHFKLSSPQPQRND

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_177801

ORF Size: 1005 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_177801.3](#), [NP_808469.1](#)

RefSeq Size: 1112 bp

RefSeq ORF: 1005 bp

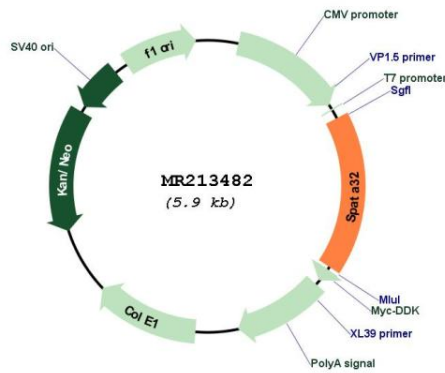
Locus ID: 328019

UniProt ID: [Q8C5V0](#)

Cytogenetics: 11 E1

MW: 37.2 kDa

Product images:



Circular map for MR213482