

Product datasheet for **RR208052**

Spata32 (NM_001005531) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spata32 (NM_001005531) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Spata32
Synonyms: RGD1359156; Tex34; Vad1.2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208052 representing NM_001005531
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGGTGACAGGTTTCAGTGCATTTCCCTGCTGTGGCAAGAATTCAGTGAACATTGTGAAAGAAAGA
ATGACGACTACCACCACCACCACCACCCCTTAGAAGACAATAAGGATGAAGACAATGAGATGGGAACAGA
GTTATCAAGCATGAAGCCCCACCCAAAGTGGACCCAGACCCAGTACCACATCTGGAGGATATGGTGACA
GAGTTAACCTCTACACCCATACCTGAGACTGAAAACCCGGAGCAGCAGAACTACAGGATCGAATCCATCA
AGCCCTATGAGGAGGAGCTGACAACCACAACACCTTCAAGCCCCGGGGCTTCAATGTGAACTCAACCAA
CAAAGAGGAGGAGGAGGTGGTGTGCGGCCACTTTCGCTCCACCCCTGTGCAGACCTCCAAGCACCTTTTC
TGGTCCAACAAGCTCATCCAAGCATCAGAGCACAGCCTACAGACAGCCTTAGAAAAACATCACAAGAGCC
CCGGGGAAAAGAAGTCTATCTCCATAGCCAGGTTTACACAGAATGTAAGTACTCAGCGGCCGTCCAGCACCCA
GGTGTCTCGCACCCACGCCCACAGCCCTTGGCTTGGCAGATCTGATCAACTTTGCTTCATCCCTGGCT
GTAGCCTCCTCCAGTAACATGGCCTTGCCTAACCTGGGGACTATGATCAAAGGAACATCTGAGAAGGCC
AGAATACCTCCTTAGACTTCTGCCAGCCCATCCAGTCCATCAAATTTACCCAGGCTACCCAGATCACCCA
GATATCCTCAGAGAAGCAAGATGAACCCCTGAAGTCATGGCTCACAAATCCTGGACACAGGAGACCAGG
AATGTTGCTTGTCTTACCTGGATATTAACGAGTCAGGGCTCAAGAAAGCCACCATCCAAGGGAAAGTGA
AGTTTGTCCAAGCACCAGCTACATCCCCTGAGCTTCAAGGAAGACAAGATGACTCGGTGCCGGGAACCAA
GAAAGGGACCCCAATATTGCTGAAAATCCATTTTAAGCTGTCATCCCCCAAGCCCCAGAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208052 representing NM_001005531
 Red=Cloning site Green=Tags(s)

MGVTGFSAFPCCGKNSVNIVERKNDDYHHHHHPLEDNKDEDNEMGTELSMKPPPVDVDPVPHLEDMVT
 ELTSTPIPETENPEQQNYRIESIKPYEELTTTNTFKPRGFVNSTNKEEEEVCGHFRSTPVQTSKHLF
 WSNKLIQASEHSLQTALEKHHKSPGEKKSISIAQVYTECTQRPSTQVSRTPPTALGLADLINFASSLA
 VASSNMALPNLGMTIKGTSEKAQNTSLDFCQPIQSIKFTQATQITQISSEKQDEPPEVMAHKSWTQETR
 NVACSYLDINESGLKKATIQGEVKFVQAPATSPELQEDKDDSVPGTKKGTPIILLKIHFKLSSPQAPEK

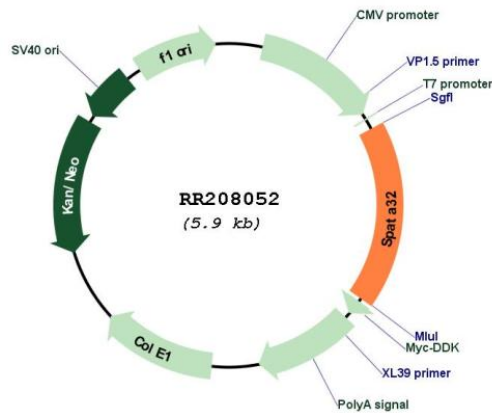
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001005531

ORF Size: 1044 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_001005531.1 , NP_001005531.1
RefSeq Size:	1176 bp
RefSeq ORF:	1047 bp
Locus ID:	287747
UniProt ID:	Q66H17
Cytogenetics:	10q32.1
MW:	38.6 kDa