

## Product datasheet for **RC228350**

### SPATA48 (NM\_001161834) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SPATA48 (NM_001161834) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SPATA48
Synonyms:	C7orf72
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC228350 representing NM\_001161834  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATGTAGAAATTCAGGACACACCTGGAAGATAAGTATCTCTAAAAGGTCCATCCTTTCAGGAAGTCT  
 TTGAGAATATAGATTACCCACACTATTGTGATCTCTTAAGAAAAATGAACATGCCTTTTGTGAAAGGTCT  
 TGAGAACAGACATAACTATGGCAGGTTTAAAAGAAATGCAACCCTGCTTTTCTAAATTCACCCTTAT  
 CCCCCTTCAGTTTGGCAGACTATCATTACATGATCCTTATCCCCACCATATGGGCCACATTATCCAT  
 TATTTCCACTTCGGGATGATGTGACCTTAGGTGATTCTGTTTCCAGGGTTATGAGTCTGGTGGTATGC  
 TGATTTAAATCCTGGCATTGGCAGAACCATAACCAACCCTAGTGGATTTTAGTGATGTGAAACCTCAACAT  
 CGAGTTCAGACAGACAGGATTTCAAACAACAATAAAAAGGCAAAAAATTCATCAGAAGAACTGC  
 AACAGAACAGGAGATGGAATTCAGGGAAGTACCAGACATTTCTATCAGAGCAAGACTTGGAGTTGGAC  
 AAGCCCTCTGAAAGTTACTCCCTTACAACCTCATCATGAAGGACGCTCATTAAAGTCACATATTTACATTT  
 GATGAGGAGGCAACATGTACAGATGAAGGTGAACCACTTGTTCAAACAAACAAGAAATGTAATGCAAGG  
 ACTCATTTTACAAGTCTCTACACAAAAAGCTTATGAAGATGTTCTTGGGATAAGATGCTACCACAAA  
 ACTTGTTCAGAAAGAAACAATTGAAAAAGCCGCTGACCCATCTCACAGTGTCTTACTCTGAAAAGA  
 TATAAAGGGTGCCAGCAATAACTCAGATGGTTGGTGAGCTCTGGGACAGATTTCAAACAAGATCTTTCT  
 TGGCACCAGTCAAACCAATTAATTTGTGAGTTCAAGTTCTAGAAGTAAATATATTCCTCTCTATACTGG  
 TCATGTGCAGTCTACAAATGCTGATGATGTTGACAACCCCTTGGGAGACATCGCATCGTAGCCAAGCAG  
 CGGTACTCTAAGCCTCTTATATAAACACAAGTCTGCTGCAAAATTTCCAGGATATACCGGCAAGGTTT  
 ATTTACAGCCACCCACCCAGCAATTTAATATTCCATCAACAACCCCATCACCAGATTCAGAAGTCA  
 CCGCGTCTTCCAGAAAGAAATGGCAGTTGACCTCTTCCGTCACCCAGGCTCCCTGTCTCGACTGGTCACA  
 ACTGTGAGACCCTACAACCCCTTCAACAAGAAGGACAAAGAAACCATAGACTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC228350 representing NM\_001161834  
 Red=Cloning site Green=Tags(s)

MDVEIQDTPGKISISKRSILSGTVENIDYPHYCDLLRKMMPFVKLENRHNYGRFEKKNPAFLKFHPY  
 PPSVLDPYHLHDPYPPYPHYPLFPLRDDVTLGDSCSGFMSPGGDADLNPGIGRTIPTLVDFSDVKPQH  
 RVPRPDTGFQTTIKRQKILSEELQONRRWNSREVPDISIRARLGGWTSPLKVTPLQPHHEGRSLSHIFTF  
 DEEATCTDEGEPLVQTNKKCNAKDSFYKSSSTQKAYEDVPWDKMLPPKLVEETTLEKAADPISQCFTLKR  
 YKGVPAITQMVGELWDRFQTRSF LAPVKPINFVSSSRKYIPLYTGHVQSTNADDVDNPLGDIASLAKQ  
 RYSKPLYINTSRAANIPGYTGKVFHTATHPANSNIPSTTPSPDSELHRVFKEMAVDLFRHQAPLSRLVT  
 TVRPYNPFNKDKETIDY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8039\\_b05.zip](https://cdn.origene.com/chromatograms/mk8039_b05.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001161834

**ORF Size:** 1314 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\\_001161834.1](#), [NP\\_001155306.1](#)

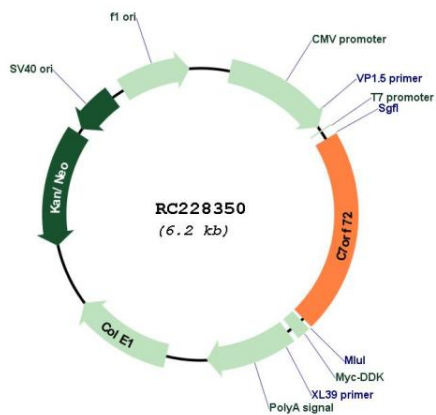
**RefSeq ORF:** 1317 bp

**Locus ID:** 100130988

**Cytogenetics:** 7p12.2

**MW:** 49.5 kDa

Product images:



Circular map for RC228350