

Product datasheet for **RG228350**

SPATA48 (NM_001161834) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPATA48 (NM_001161834) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SPATA48
Synonyms:	C7orf72
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG228350 representing NM_001161834 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGTAGAAATTCAGGACACACCTGGAAAGATAAGTATCTCTAAAAGGTCCATCCTTTCAGGAACTG
TTGAGAATATAGATTACCCACACTATTGTGATCTCTTAAGAAAAATGAACATGCCTTTTGTGAAAGGTCT
TGAGAACAGACATAACTATGGCAGGTTTGAAAAGAAATGCAACCCTGCTTTTCTAAATTCACCCTTAT
CCCCCTCAGTTTGGCAGACTATCATTACATGATCCTATCCCCACCATATGGGCCACATTATCCAT
TATTTCCACTTCGGGATGATGTGACCTTAGGTGATTCCTGTTCCAGGTTTATGAGTCCTGGTGGTATGC
TGATTTAAATCCTGGCATTGGCAGAACCATACCAACCCTAGTGGATTTTGTGATGTGAAACCTCAACAT
CGAGTTCCAGACCAGACACAGGATTTCAACAACAATAAAAAGGCAAAAAATTCTATCAGAAGAACTGC
AACAGAACAGGAGATGGAATTCAGGGAAGTACCAGACATTTCTATCAGAGCAAGACTTGGAGGTTGGAC
AAGCCCTCTGAAAGTTACTCCCTTACAACCTCATCATGAAGGACGCTCATTAAGTCACATATTTACATTT
GATGAGGAGGCAACATGTACAGATGAAGGTGAACCACTTGTTCAAACAACAAGAAATGTAATGCAAAGG
ACTCATTTTACAAGTCTCTACACAAAAAGCTTATGAAGATGTTCTTGGGATAAGATGCTACCACAAA
ACTTGTCCAGAAGAAACAACATTGGAAAAAGCCGCTGACCCATCTCACAGTGTCTTACTCTGAAAAGA
TATAAAGGGGTGCCAGCAATAACTCAGATGGTTGGTGGTCTGGGACAGATTTCAAACAAGATCTTTCT
TGGCACCAGTCAAACCAATTAATTTTGTGAGTTCAAGTTCTAGAAGTAAATATATTCCTCTCTATACTGG
TCATGTGCAGTCTACAAATGCTGATGATGTTGACAACCCCTTGGGAGACATCGCATCGCTAGCCAAGCAG
CGGTACTCTAAGCCTCTTTATATAAACACAAGTCGTGCTGCAAATATTCCAGGATATACCGCAAGGTTT
ATTTACAGCCACCCACCCAGCAAATTTCTAATATTCCATCAACAACCCCATCACCAGATTCAGAAGTCA
CCGCGTCTCCAGAAAGAAATGGCAGTTGACCTCTCCGTCACCAGGCTCCCTGTCTCGACTGGTCACA
ACTGTGAGACCCTACAACCCCTTCAACAAGAAGGACAAAGAAACCATAGACTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228350 representing NM_001161834
 Red=Cloning site Green=Tags(s)

MDVEIQDTPGKISISKRSILSGTVENIDYPHYCDLLRKMNMFPVKLENRHNYGRFEKKNPAFLKFHPY
 PPSVLPDYHLHDPYPPPYGPHYPLFPLRDDVTLGDSCSGFMSPGGDADLNPGIGRTIPTLVDFSDVKPQH
 RVPRPDTGFQTTIKRQKILSEELQONRRWNSREVPDISIRARLGGWTSPLKVTPLQPHHEGRSLSHIFTF
 DEEATCTDEGEPLVQTNKKCNAKDSFYKSTQKAYEDVPWDKMLPPKLVPEETTLEKAADPISQCFTLKR
 YKGVPAITQMVGELWDRFQTRSFLAPVKPINFVSSSRKYIPLTYGHVQSTNADDVDNPLGDIASLAKQ
 RYSKPLYINTSRAANIPGYTGKVHFTATHPANSNIPSTTPSPDSELHRVFKEMAVDLFRHQAPLSRLVT
 TVRPYNPFNKKDKETIDY

TRTRPLE - GFP Tag - V

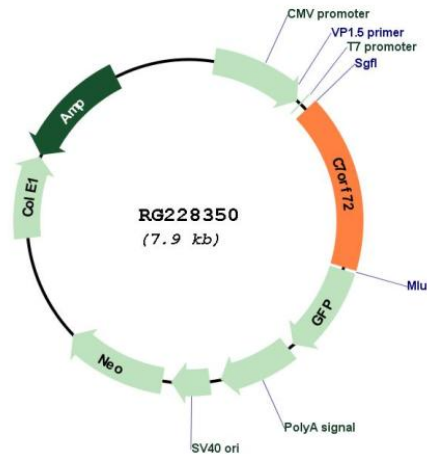
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<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_001161834.1 , NP_001155306.1
RefSeq Size:	1911 bp
RefSeq ORF:	1317 bp
Locus ID:	100130988
Cytogenetics:	7p12.2