

Product datasheet for **RG224365**

PAXBP1 (NM_016631) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAXBP1 (NM_016631) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PAXBP1
Synonyms:	BM020; C21orf66; FSAP105; GCFC; GCFC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG224365 representing NM_016631
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCCGAAAGGCCGCGGGTGAACGTGCGCAAGCGGAACGACTCCGAAGAGGAAGAGCGGGAACCGG
 ATGAGGAGCAGGAGCCGCGCCGTTGTTGCCCGCCGCGGACAGGGCGAAGAGGCGGCCCCGGTGGCGG
 CGACAGGGCCCTGGCGGGGAGTCGCTGCTGGGCCGGGGCCGTCGCGCCTTCCGCGCTGACCCCGGGC
 CTCGGGGCTGAGGCCGGGGCGGCTTCCCGCGGCGCGGAGCCCGCAACGGGCTGAAGCCGCGCAAGA
 GGCCTCGGAGAACAAAGAGGTGCCCGGGCCAGCCTGCTCAGCTTCCAGGACGAGGAGGAAGAAAATGA
 AGAAGTTTTCAAAGTGAAGAAATCAAGTTATAGCAAAAAGATAGTAAAATTGCTCAAGAAGGAATATAAA
 GAAGATCTTGAAAATCGAAGATTAAGACAGAACTCAACTCATCAGCTGAAAGTGAACAACCTTTGGACA
 AAACAGGACATGTTAAGGATACAAATCAAGAAGATGGAGTTATCATCAGTGAACATGGTGAAGATGAAAT
 GGATATGGAAGTGAAAAAGAGGAAGAAAAGCCAAAGACTGGTGGAGCTTTTCAAATGCTTTATCTTCA
 TTGAATGTTCTTCGTCCAGGAGAAAATCCAGATGCAGCTTTTATACATGCTGCAAGGAAAAAGCGCCAAA
 TGGCCCGAGAATTGGGAGATTTCACTCCTCATGATAATGAGCCTGGTAAAGGCCGCTTGTAGAGAAGA
 TGAGAATGATGCCAGTGATGATGAAGATGACGATGAGAAACGCCGGATAGTTTTTCTGTGAAAGAAAAG
 TCACAAAGACAAAAAATTGCTGAGGAAATAGGAATTGAGGGGAGTGATGATGCTTTAGTAACTGGAG
 AACAGGATGAAGAGCTCAGCCGATGGGAACAGGAGCAGATAAGGAAAGGAATTAATATCCCTCAGTTCA
 AGCCAGTCAACCCGAGAAAGTGAATATGTAACCAGAACACTTACCAGACAATGCCTTACGGCTCATCC
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 AAAATACTACACATCCTCAAAAGATGCTTACATTGGCCTTTGTTTGCCAAAATTATTCAACCCCTCATA
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 ATAGAAATAGTATCGGGTGTCTGATGTGAAAAAAGAAATGCAAGGGAAAACATAAAACAGATAGTAAA
 ACTCCTTGCAAGTGTTCGAGCTTTGGATCATGCTATGTCTGTGCAAGTGACCACAATGTGAAAGAATTT
 AAGTCTTTGATCGAAGGAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG224365 representing NM_016631
 Red=Cloning site Green=Tags(s)

MFRKARRVNRKRNDSEEEERERDEEQEPPPLLPPPGTGEEAGPGGGDRAPGGESLLGPGSPSSALTPG
 LGAEAGGGFPGAEPGNLKPKRPRENKEVPRASLLSFQDEEEENEVFKVKKSSYSKKIVKLLKKEYK
 EDLEKSKIKTELNSSAESEQLDKTGHVKDTNQEDGVIISEHGEDEMDMESEKEEEKPKTGGAFSNALSS
 LNVLRPGEIPDAAFIHAARKKRQMARELGDFTPHDNEPGKGRLVREDENDASDDEDDDEKRRIVFSVKEK
 SQRQKIAEEIGIEGSDDDALVTGEQDEELSRWEQEQRKGINIPQVQASQPAEVNMYQNTYQTMPYGSS
 YGIPYSYAYGSSDAKSQKTNTVPFKTPSNEMTPVTIDLKVKQLKDRDLSMKELHKTNRQHEKHLQSR
 VDSTRAIERLEGSSGGIGERYKFLQEMRGYVQDLLECFSEKVPLINELESIAHQLYKQASRLVQRRQDD
 IKDESSEFSSHSNKALMAPNLDSFGRDRALYQEHAKRRIAEREARRRRRQAREQTGKMADHLEGLSSDD
 EETSTIDITNFLEKDRISKEGKVFEDVLESFYSDICIKSQFEAWRSKYYSYKDAYIGLCLPKLFNPLI
 RLQLLTWTPLEAKCRDFENMLWFESLLFYGCEEREQEKDDVDVALLPTIVEKVILPKLTVIAENMWDPF
 TTQTSRMVGITLKLINGYPSVVAENKNTQVYLKALLLRMRRLDDVFMPLYPKNVLENKNSGPLYFFQ
 RQFWSSVKLLGNFLQWYGFISNKTQLQELSIDGLLNRYILMAFQNSEYGDSSIKKAQNVINCFFPKQWFMNL
 KGERTISQLENFCRYLVHLADTIYRNSIGCSDVVEKRNARENKQIVKLLASVRALDHMSVSDHNVKEF
 KSLIEGK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

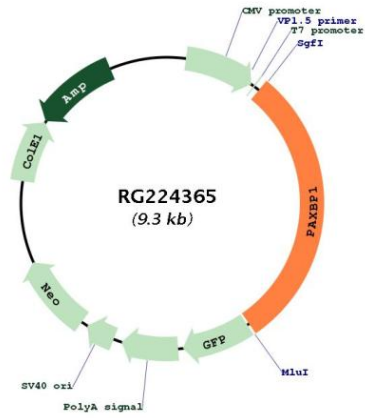
Cloning Scheme:



ACCN: NM_016631

ORF Size:	2751 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_016631.4
RefSeq Size:	2903 bp
RefSeq ORF:	2754 bp
Locus ID:	94104
UniProt ID:	Q9Y5B6
Cytogenetics:	21q22.11
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a protein that may bind to GC-rich DNA sequences, which suggests its involvement in the regulation of transcription. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jun 2009]

Product images:



Circular map for RG224365