

Product datasheet for **RC224419**

PAXBP1 (NM_013329) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAXBP1 (NM_013329) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PAXBP1
Synonyms:	BM020; C21orf66; FSAP105; GCFC; GCFC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC224419 representing NM_013329
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCCGAAAGGCCGCGGGTGAACGTGCGCAAGCGGAACGACTCCGAAGAGGAAGAGCGGGAACCGG
 ATGAGGAGCAGGAGCCGCGCCGTTGTTGCCCGCCGCGGACAGGGCGAAGAGGCGGCCCCGGTGGCGG
 CGACAGGGCCCTGGCGGGGAGTCGCTGCTGGGCCCGGGCCGTCGCGCCTTCCGCGCTGACCCCGGGC
 CTCGGGGCTGAGGCCGGGGCGGCTTCCCGCGGCGCGGAGCCCGCAACGGGCTGAAGCCGCGCAAGA
 GGCCTCGGAGAACAAAGAGGTGCCCGGGCCAGCCTGCTCAGCTTCCAGGACGAGGAGGAAGAAAATGA
 AGAAGTTTTCAAAGTGAAGAAATCAAGTTATAGCAAAAAGATAGTAAAATTGCTCAAGAAGGAATATAAA
 GAAGATCTTGAAAATCGAAGATTAAGACAGAACTCAACTCATCAGCTGAAAGTGAACAACCTTTGGACA
 AACAGGACATGTTAAGGATACAAATCAAGAAGATGGAGTTATCATCAGTGAACATGGTGAAGATGAAAT
 GGATATGGAAGTGAAAAAGAGGAAGAAAAGCCAAAGACTGGTGGAGCTTTTCAAATGCTTTATCTTCA
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 TGGCCCGAGAATTGGGAGATTTCACTCCTCATGATAATGAGCCTGGTAAAGGCCGCTTGTAGAGAAGA
 TGAGAATGATGCCAGTGATGATGAAGATGACGATGAGAAACGCCGGATAGTTTTTCTGTGAAAGAAAAG
 TCACAAAGACAAAAAATTGCTGAGGAAATAGGAATTGAGGGGAGTGATGATGCTTTAGTAACTGGAG
 AACAGGATGAAGAGCTCAGCCGATGGGAACAGGAGCAGATAAGGAAAGGAATTAATATCCCTCAGTTCA
 AGCCAGTCAACCCGAGAAAGTGAATATGTAACCAGAACACTTACCAGACAATGCCTTACGGCTCATCC
 TATGGCATTCTTATAGTTATACGGCCTATGGATCATCAGATGCCAAATCTCAAAAAACAGATAATACAG
 TCCCTTTCAAACCTCCAGTAATGAGATGACTCCCGTTACTATTGATTTGGTAAAGAAACAGCTAAAGA
 CAGGTTGGACTCCATGAAAGAATTGCACAAAAAATCGACAGCAGCATGAGAAACATCTGCAAAGCCGA
 GTGGACTTACCAGGGCTATTGAAAGATTAGAAGGCTTCTGCGGGGATTGGTGAACGGTATAAATTTT
 TGCAAGAAATGCGAGGGTATGTCCAAGACTTGCTTGTGAGTGTTCAGTGAAAAGGTGCCACTGATTAATGA
 ACTTGAATCAGCAATACATCAGCTGTACAAACAGCGAGCTTCCCGCCTTGTCAAAGACGACAAGATGAT
 ATTAAGATGAATCTTCGGAGTTTCAAGCCATTCAAACAAGCTCTGATGGCACCAATCTTGACTCCT
 TTGGACGCGATCGGGCACTGTATCAAGAGCATGCAAAACGTCGCATTGCAGAGCGGGAGGCCAGGAGGAC
 TCGTCGTAGACAAGCCAGAGAACAACCCGTAAGATGGCAGATCACCTTGAAGGCCTTCCAGTGTGAT
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 AAAATACTACACATCCTCAAAGATGCTTACATTGGCCTTTGTTTGCCAAAATTATTCAACCCCTCATA
 CGACTTACGCTCCTCACTTGGACTCCTCTTGGGCAAAATGTCGTGACTTTGAGAATATGCTGTGGTTTG
 AATCTTTGCTGTTTTATGGTTGTGAAGAACGAGAGCAAGAAAAAGATGATGTAGATGTTGCCCTACTACC
 TACCATTGTGAAAAGGTGATTCTTCTAACTAACAGTGATAGCTGAAAATATGTGGGACCCCTTTTCT
 ACAACACAGACTTCAAGAATGGTGGGAATTACACTAAAATTAATCAATGGATATCCTTCAGTAGTGAAATG
 CAGAAAAATAAAATACACAGGTATACCTAAAGGCACTTTTATTGAGAATGAGAAGAACTTAGATGATGA
 TGTATTTATGCCCTTATATCCAAAAATGTCTTAGAAAAATAAAATTTCTGGGCCTTACTTGTTTTTTCAA
 CGACAGTTTTGGTCTTCAGTTAAGGTCATAAAACCCCATCCAGAGAGGGTCTGCCCATACCCAGAA
 GGAAGAATGCTGCTCAGAGAGGCCAAGAAGAACTCTGGACGGACAGGCCTTGTGTTGCTTCTCT

ACGCGTACGCGCGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224419 representing NM_013329
 Red=Cloning site Green=Tags(s)

MFRKARRVNRKRNDSEEEERERDEEQEPPPLLPPPGTGEEAGPGGGDRAPGGESLLGPGSPSSALTPG
 LGAEAGGGFPGGAEPGNLKPKRPRENKEVPRASLLSFQDEEEENEVFKVKKSSYSKKIVKLLKKEYK
 EDLEKSKIKTELNSSAESEQLDKTGHVKDTNQEDGVIISEHGEDEMDMESEKEEEKPKTGGAFSNALSS
 LNVLRPGEIPDAAFIHAARKKRQMARELGDFTPHDNEPGKGRLVREDENDASDDEDDDEKRRIVFSVKEK
 SQRQKIAEEIGIEGSDDDALVTGEQEELSRWEQEQIRKGINIPVQASQPAEVNMYQNTYQTMPYGSS
 YGIPYSYTAYGSSDAKSQKTDNTVPFKTPSNEMTPVTIDL VKKQLKDRLD SMKELHKTNRQQHEKHLQSR
 VDSTRAIERLEGSSGGIGERYKFLQEMRGYVQDLLECFSEKVPLINELESIAHQLYKQRASRLVQRRQDD
 IKDESSEFSSHSNKALMAPNLDSFGRDRALYQEHAKRRIAEREARRRRRQAREQTGKMADHLEGLSSDD
 EETSTDITNFNLEKDRISKEGKVFEDVLESFYSDICIKSQFEAWRSKYYSYKDAYIGLCLPKLFNPLI
 RLQLLTWTPLEAKCRDFENMLWFESLLFYGCEEREQEKDDVDVALLPTIVEKVILPKLTVIAENMWDPPFS
 TTQTSRMVGITLKLINGYPSVVAENKNTQVYLKALLLRMRRTLDDDFMPLYPKNVLENKNSGPYLLFFQ
 RQFWSSVKVIKPPFQRGSCIPRRKECCSERPRRIWTRPCVVF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_013329

ORF Size: 2445 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_013329.4](#)

RefSeq Size: 2836 bp

RefSeq ORF: 2448 bp

Locus ID: 94104

UniProt ID: [Q9Y5B6](#)

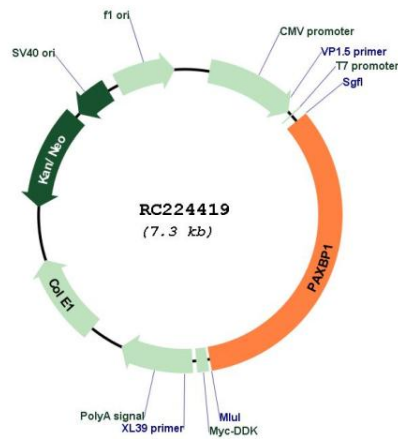
Cytogenetics: 21q22.11

Protein Families: Transcription Factors

MW: 93.2 kDa

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 RC224419