

Product datasheet for **RG229176**

PCBP3 (NM_020528) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCBP3 (NM_020528) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PCBP3
Synonyms:	ALPHA-CP3; PCBP3-OT1; PCBP3OT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG229176 representing NM_020528 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGAAGGTGACGCCTTCTGGGCCCATCTGTCTTCTCACAGCACCCCTCAGCACCTTAAGCCACC
ACCCTCAGCCACAATTTGGCAGAAGGATGGAGTCCAAGGTCTCAGAAGGTGGCCTGAATGTGACCCTCAC
CATCCGCTGCTGATGCATGGAAAGGAAGTTGGAAGCATCATCGGAAGAAAGGAGAACTGTGAAGAAG
ATGCGTGAGGAGAGTGGTCAAGGATCAACATCTCAGAGGGAAACTGCCAGAGAGGATTGTGACCATCA
CAGGCCCCACAGACGCCATCTTCAAGGCCTTTGCCATGATCGCATACAAGTTTGAGGAGGATATCATCAA
CTCCATGAGCAACAGCCCTGCCACCAGCAAGCCCCAGTGACGCTGAGGCTGGTGGTGCCTGCCAGCCAG
TGTGGTCCCTGATCGGCAAAGGAGGCTCCAAGATCAAGGAGATCAGGGAGTCCACAGGTGCCAGGTGC
AGGTGGCTGGGGACATGTGCCCCAACTCCACGGAGCGAGCGGTGACCATCTCGGGACCCAGATGCCAT
CATCCAGTGCCTCAAGCAGATCTGTGTGGTCACTGCTGGAGTCCCCACCGAAAGGTGCCACCATCCCTAC
CGCCAAAGCCCGCTCCACCCCTGTCAATTTTGCAGGTGGTCAAGCCTACACAATCCAGGGACAGTATG
CCATCCCTCACCCGGATCAGTTGACCAAGCTCCACCAAGTTGGCCATGCAGCAAACCCCTTTCTCCCT
CGGACAGACCAACCCCGCTTTCCCGGAGAAAAGCTGCCTTTACTCTCCGAAGAAGCTCAAAATCTG
ATGGCCAGTCAACAGTCTGGACGCCAGCCACCGCCAGCACTATGAGCTCACCATTCCCAATGATC
TAATAGGCTGCATAATTGGACGCCAAGGGACCAAAATCAATGAAATTCGACAGATGTCTGGAGCTCAGAT
CAAAATCGCCAACGCCACGGAAGGGTCTCAGAGCGTCAGATCACCATCACGGGGACCCCGCCAACATC
AGCCTTGCCAGTATCTCATCAACGCCAGGCTGACGTCCGAGGTACCGGGATGGGCACGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229176 representing NM_020528
Red=Cloning site Green=Tags(s)

MGEQDAFWAPSVLPSTLSTLSHHPQPQFGRRMESKVSEGLNVTLTIRLLMHGKEVGSIIIGKKGETVKK
MREESGARINISEGNCPERIVTITGPTDAIFKAFAMIAYKFEEDIINSMNSPATSKPPVTLRLVVPASQ
CGSLIGKGGSKIKEIRESTGAQVQVAGDMLPNSTERAVTISGTPDAIIQCVKQICVVMLESPPKGATIPY
RPKPASTPVIFAGGQAYTIQGQYAIPHPDQLTKLHQLAMQQTFFPPLGQTNPAFPGEKLP LHSSEEAQNL
MGQSSGLDASPSTHELTI PNDLIGCIIGRQGTKINEIRQMSGAQIKIANATEGSSERQITITGTPANI
SLAQYLINARLTSEVTGMGTL

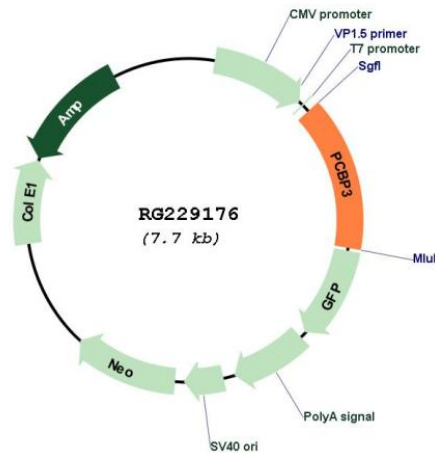
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_020528

ORF Size:	1113 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_020528.3
RefSeq Size:	2000 bp
RefSeq ORF:	1116 bp
Locus ID:	54039
UniProt ID:	P57721
Cytogenetics:	21q22.3
Domains:	KH
Gene Summary:	This gene encodes a member of the KH-domain protein subfamily. Proteins of this subfamily, also referred to as alpha-CPs, bind to RNA with a specificity for C-rich pyrimidine regions. Alpha-CPs play important roles in post-transcriptional activities and have different cellular distributions. The protein encoded by this gene lacks the nuclear localization signals found in other subfamily members. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jan 2017]