

Product datasheet for **RG215653**

C14orf135 (PCNX4) (NM_022495) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	C14orf135
Synonyms:	C14orf135; FBP2; PCNXL4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG215653 representing NM_022495
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCAGCTCTAGAACACATGAATCAGATTTTACACATCTTGTGTTGATTTTTACCCTTTCTGTGGGCAC
TTGGGACTCTGCCCCACCCGATGCACTTCTCTTATGGGCAATGGAGCAGGTTTTAGAGTTCGGCCTTG
AGGCTCATCTATGTCAACCCACTTACGGTTATTAGTAATGTTTCATCATGTCTGCTGGAACAGCTATAGCA
TCATATTTTCATTCCAAGCACTGTTGGTGTGGTTCTTTTCATGACTGGATTTGGTTTCTTGCTGAGTCTGA
ACTTAAGTGATATGGGTACAAAATTGGAACCAATCTAAGGATTTACCCAGTGGTCCGGAACAACTTT
TTCATGGAAGGAATGCCTTTTCTACATCATTATATTAGTCTTGGCTCTTTAGAACTAGCTTGCTTCAT
CACTTTGCTGGCTTCTCACAGATTTCTAAAAGCAATCCAGGCTATTGTGGGCTATGGTTTGATGATAT
TACTTATAATACTGTGGATACTTAGAGAAATCAAAGCGTATATCATTGGAATTTCCGAAATCCCTT
TTATCCGAAGGATGTGCAAACTGTGACTGTATTCTTTGAGAAGCAACTAGGCTCATGAAGATTGGTATT
GTCAGACGGATTTTGCTAACTTAGTATACCTTTTGCCATGATAGCATTCTTTTCATTGGACAGTTCCT
TACAAGGGCTCCACTCAGTGTCTGTCTGTATTGGATTCAAGAGCCTTTAGAATGGTATGGCAGAATAC
AGAAATGCTTTATTGGAGACAGTCATTGTATCAACAGTACACTTGATCTCCAGTACAGACATATGGTGG
AACAGAAGCCTGGATACAGGACTCAGACTCTTACTGGTTGGTATCATACGTGATCGTTTGATTGAGTTCA
TCTCTAAATTGCAGTTTCCCGTGAAGTGTCTTTGACATCATGGACAGAGAAAAACAACGTCGAAAAAC
AACTGCCACTTTATGTATACTCAACATTGTCTTTCTCCATTCTGTTGGTTCATCATAGTTTTTTCTACA
CTACTCTCTTCTCCCTTACTCCCTCTTTTACCCTTCTGTGTTCTTGGTGGGTTTCCCGACCTATTC
AGAGTTGGCCAGGAGCAGCAGGCACCACAGCCTGTGTGTGTCAGATACAGTGTACTACTACCAATGGT
GCCCAGGTTGACTGCTGTACTGCAGACTGCAATGGCAGCTGGAAGTTAGGTCTCCTCTACCTGGATCT
CATTACTTGGGCCGTTTTCAGGATCGTTTAAATGTGGATAATGATTCTGGAATGTGGCTATACTTACTGCT
CTATTAACATTAAGGGTTAGAATTGCAGGAAACATCCTGTCACTGCAGAAGCTCGCAGAGTTGATGA
AGTTTTTGAAGATGCTTTTGAAGCAAGATACACAAGAGTATGTTCCCTTAATGAACACTTTGGAATGTC
TTGACACCTGTACTGTTTGGCTGTGAAATTGATTCTGATGCCAGGAATGTTCTATCAGGCATAATTG
ATTCTCATGAAACTTAAAGAAATTTAAAGGTGACCTCATTAAAGTACTGTGTGGATACTGTTCAATA
CTGCTCCAAAAGGCTGGCATGAAAGAGAAATGTTCAACACTGAAAATAAGGGAAGCACCTCTAATG
TTGCTGCTTTGAACACTTTGCCACCTCCCAATCCCAGAAGACATAGACAGTTTAAATTCAGAACTT
TTAATGACTGGTCTGATGATAATATTTTGTATGATGAGCCAACTATCAAAAAAGTAATAGAAGAAAAACA
TCAGTTGAAAGATTTGCCAGGTACAAATTTGTTTATCCAGGATCAGTAGAATCACAGAGGGTTGGTGTAT
CATTCTACAGGCACTGTTCTGAAAACGATCTTTACAAAGCAGTTCTATTAGGATACCCTGCTGTTGACA
AAGGAAAACAAGAGGACATGCCATATATCCTCTCATGGAGTTCAGTTGTTTACATTCTCACTTAGTATG
CTTACCCTGAGAGTGGAGGACTAGCTGTATGCCAGTTCCAAAATGAAGGAGATGAGCTCGTTATTTCCA
GAAGACTGGTACCAATTTGTTCTAAGGCAAGTTGGAATGTTATCATTGAGAAGAGGCTCAAATGTAC
TGGAAGAAATTTGCAAGGACAAAGTTTAAAGACTTTTATGTTTACAGTAATGACTTGTATTTTAG
TTTATTTGGAATAGACAATATGGCTCCTAGTCTGGTCATATTTGAGAGTTTACGGTGGTGTGTTGCT
TGGTCTGTTGCTTTGGACTGGCTCACAGAAAAGCCAGAACTGTTTCACTAGCACTGAAAGCATTAGGT
ATACTCTGAACTAATGATTGATAAAGCAAGTTTAGGTCCAATAGAAGCTTTAGAGAAGCTGATTAAGTA
CCTTGAAAGATATGAACGTGACTGGTACATTGGTTGGTATCTGATGAAAAGTGGAAGGAAGCAATTTTA
CAAGAAAAGCCATACTTGTGTTTCTCTGGGGTATGATTCTAATATGGGAATTTACTGGGAGAGTGCTTA
GCCTTCAAGAAATTATGATCCAAGTGGGAAAGTTAAATCCTGAAGCTGTTAGAGGTGAGTGGGCCAATCT
TTCATGGGAATTACTTTATGCCACAAACGATGATGAAGAAGCTTATAGTATACAAGCTCATCCACTACTT
TTAAGAAATCTTACGTACAAGCAGCAGAACCTCCCCTGGGATATCCGATTTATTCTTCAAAACCTCTCC
ACATACATTTGTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG215653 representing NM_022495

Red=Cloning site Green=Tags(s)

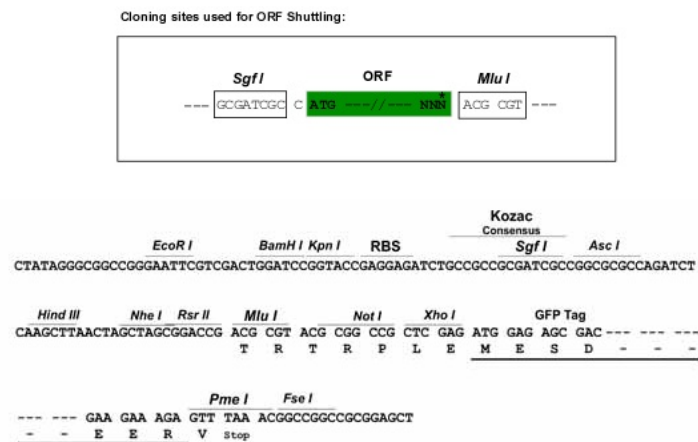
MPALEHMNQILHILFVFLPFLWALGTLPPPDALLWAMEQVLEFGLGGSSMSTHLRLVMFIMSAGTAIA
SYFIPSTVGVLVMTGFGFLLSLNLSMDGHKIGTKSKDLPSPGPEKHFSWKECLFYIILVLALLETSLLH
HFAGFSQISKNSQAIVGYGLMILLIILWILREIQSVYIIGIFRNPFYPKDVQTVTVFFEKQTRLMKIGI
VRRILLTLVSPFAMIAFLSLDSSLQGLHSVVCIGFTRAFRMVWQNTENALLETVIVSTVHLISSTDIWW
NRSLDTGLRLLLVGIIRDRLIQFISKLQFAVTVLLTSWTEKKQRRKTTATLCILNIVFSPFVLVIVFST
LLSSPLLPLFTLPVFLVGFPRIQSWPGAAGTTACVCADTVYYYQMPRLTAVLQTAMAAGSLGLLLPGS
HYLGRFQDRMLMWIMILECGYTYCSINIKGLELQETSCHTAARRVDEVFEDAFAEQEYTRVCSLNEHFGNV
LTPCTVLPVKLYSDARNVLSGIIDSHENLKEFKGDLIKVLVWILVQYCSKRPGMKENVHNTENK GKAPLM
LPALNTLPPKSPEDIDSLNSETFNDWSDDNIFDDEPTIKKVIEEKHQLKDLPGTNLFIPGSVESQRVGD
HSTGTVPENDLYKAVLLGYPVDKKGQEDMPYIPLMEFSCSHSLVCLPAEWRTSCMPSSKMKEMSSLPF
EDWYQFVLRLQLECYHSEKASNVLEEIAKDKVLKDFYVHTVMTCYFSLFGIDNMAPSPGHILRVYGGVLP
WSVALDWL TEKPELFQALAKAFRYTLKLMIDKASLGPIEDFREL IKYLEEYERDWYIGLVSEKWKAEIL
QEKPYL FSLGYDSNMGIYTRVL SLQELLIQVGKLNPEAVRGQWANLSWELLYATNDDEERYSIQAHPLL
LRNLTVQAAEPPLGYPIYSSKPLHIHLY

TRTRPLE - GFP Tag - V

Restriction Sites:

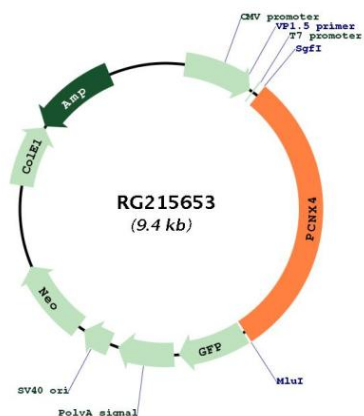
SgfI-MluI

Cloning Scheme:



ACCN:	NM_022495
ORF Size:	2814 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_022495.5 , NP_071940.4
RefSeq Size:	3952 bp
RefSeq ORF:	2817 bp
Locus ID:	64430
UniProt ID:	Q63HM2
Cytogenetics:	14q23.1
Domains:	Pecanex_C
Protein Families:	Transmembrane

Product images:



Circular map for RG215653