

Product datasheet for **RG214092**

PTX4 (NM_001013658) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PTX4
Synonyms:	C16orf38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG214092 representing NM_001013658
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGGAGTGGAACTGGGAGGTACAGGTCCACCTTGTGGCAGTCGGTGTGAACGGCCTCCCGGACTCC
 CACGCGGGGTCCACGGACAGTTCCGGAGTGCTGTGGGCCTGTGGGCCTGCGCTGGTTCGGGAGATTCCA
 GGAGGTGACCTGGACACACCTCGACAACATCGCCAGCAACTACAACGTGTCTACAACGTTGACGTCCGG
 TTCCGAGAGCTGGCGAAGAGAGCCAGGCTGTGGCTCAGGCAGTCAACGGTTCACAGGCCTCGGTGCAGG
 GGGAGCTGGCGCAGCTCAAGGCCTGGGTGAGGAAGTGCAGCGCCGAGGCCGAAAGTAGACACGCGGCT
 GCGGGCCTTGGACCTCACCTGGGCGAGAGGAGCCAGCAGCGGGCCCGGAAAGGAAGGCACACAAGGCC
 CAGAGGGACGCCCTGCAGGACTCACTGGCACGCCTGGAGGGCTCGTCCACAGCCAGGGCGCCAGGCTGG
 CTGCTCTGGAGGGGCGGCTGCCGTGGCCACCCTGGCACTGCAGCCCTCGGGCCGGCCCTGGTCCCAAC
 CCCAACCCAGCCTGAGGAGCTGGGCCCACCTCCCTGAAGTTTCAAGGGACAGGCAGGAGCTCCGAGCT
 GCCTCTGAGCACAGGGGCCCCCACAGGACTCCTCGGCCCTCTCCAAGGGAGGCGGGAGCCTCCAGCCT
 CAGGCAGCCATCGGGTACTCAGTGGGACTGCCCCAAAAGACCTCGGCAGCAGGCATGGTCCCCCAGGT
 GCCAGGAGAGATTTGCGGCGTGGGCCCCACCTCGTTTTCCAAACGCCTCCACCAGGAACGTGGTCTTC
 CTCAGCCCTGGTTTCGTCACTGCCCTGCGAGCCCTGTCTTCTGCAGCTGGGTCGACAGGCCTCCGGCC
 GCCTGGGCACCCCTCTGTCTACGCCACCAGGACAATGACAACAAGCTGGTGTGCACGGCCGAGACTC
 CCTGCTGCCCGGATCCATCCACTTCGTGATCGGGGACCGGCCTTCAGGGAGCTGCCCTTGCAGTGCTG
 CTGGACGGCCAGTGGCACACATCTGTGTCATCTGGACGTCCACCCAGGCAGGTAAGTGGTCCACGTGG
 ATCGCAGGCTGGTGGCCACCGCTCCCGCTTCAGGGAGGGCTATGAGATCCCCCGGAGGGTCCCTCGT
 GCTGGGCCAGGAACAAGACAGCGTGGGGGCGGATTTCGACAGCTCCGAGGCCTTCGTGGGGAGCATGTCT
 GGCTTGGCTATCTGGGATCGGGCGCTGGTTCCCGGGGAAGTTGCAAACCTTGCCATCGGGAAGAGTTCC
 CGACAGGTGCCATCCTGACGCTGGCCAATGCTGCACTAGCAGGCGGATTTGTGACGGGGCCAACATGCAC
 CTGCTGGAACGCTGTCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214092 representing NM_001013658
 Red=Cloning site Green=Tags(s)

MGSGNWEVTGPPCGSRCRPPGLPRGVHGFQFRSAVGLSGLRWFRFQEVWTHLQNIASNYNVSYNVDVR
 FRSLAEESQAVAQAVNRSQASVQELAQLKAWVRKLQRRGRKVDTRLRALDLTLGERSQQRARERKAHKA
 QRDALQDRLARLEGLVHSQARLAALRGLPVHPGTAALGPALVPTPTQPEELGPTSLKLQRDRQELRA
 ASEHRGPPQDSSAPLQGRREPPASGSHRVLSGTAPKDPQQAWSPQVPGEICGVGPTLVFPNASTRNVVF
 LSPGFVTALRALSFCSWVRTASGRLGTLTLLSYATEDNDNKLVLHGRDSSLPGSIHFVIGDPAFRELPLQLL
 LDGQWHHICVIWTSTQGRYWLHVDRLVATGSRFREGYEIPPGSLVLGQEQDSVGGGFDSEAFVGSMS
 GLAIWDRALVPGEVANLAIGKEFPTGAILTLANAALAGGFVQGANCTCLERCP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001013658

ORF Size: 1419 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.

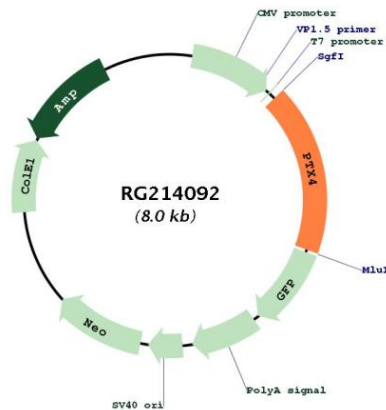
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001013658.1](#), [NP_001013680.1](#)

RefSeq Size: 1422 bp
 RefSeq ORF: 1422 bp
 Locus ID: 390667
 UniProt ID: [Q96A99](#)
 Cytogenetics: 16p13.3

Gene Summary: This gene belongs to the pentraxin superfamily, whose members encode highly conserved multifunctional proteins. The encoded protein, like other members of this family, contains a conserved pentraxin domain at the C-terminus. The highest levels of expression of the protein were observed in bone marrow, small intestine and testes. [provided by RefSeq, Jun 2016]

Product images:



Circular map for RG214092