

Product datasheet for **RG204759**

PTER (NM_030664) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PTER
Synonyms:	HPHRP; RPR-1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204759 representing NM_030664
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTCTTCCTTAAGTGGAAAAGTCCAACCGTTTGGGCCCTTGTAGAGCCAAGCAAAGTGGGCCGTACCC
TGACCCATGAACACCTGGCCATGACCTTTGACTGCTGTTACTGTCCACCTCCCCCGTGCCAGGAAGCTAT
TTCAAAGAACCTATCGTGATGAAAAATTTATATTGGATTCAGAAAAACGCCTATCCCATAAAGAAAAC
CTTCAATTAATCAGGAGACAGAAGCCATAAAGGAAGAAGTGTGATTTTAAAGCTAATGGTGGAGGGG
CTTTGGTGGAAAAACAAACCACTGGGATTAGCCGAGACACACAGACGTTGAAGAGGCTTGCAAGAGAGAC
TGGCGTCCATATCATATCTGGAGCCGGGTTTTATGTGGATGCAACTCACTCCTCAGAGACCAGGGCCATG
TCAGTGGAGCAGCTTACCGATGTCCTTATGAATGAAATTCCTCATGGAGCTGATGGAACAGTATCAAGT
GTGGCATTATTGGAGAAATGGTTGCTCCTGGCCTTTGACTGAGAGTGAAGAAAGGTTCTCCAGGCCAC
AGCTCATGCCAGGCTCAGCTTGGTTGCTCTGTTATTATCCATCCTGGACGGAGCTCCAGGGCACCATT
CAGATTATCCGAATATTGCAAGAAGCAGGCGCAGACATCTCCAAAACAGTCATGTCACACCTGGATAGGA
CTATTCTTGATAAGAAAGAGCTCTTGGAGTTTGTCACTTGGCTGCTACTTGGAAATATGATCTCTTTGG
TACTGAACTACTTCATTACCAACTCGGCCAGATATTGACATGCCTGATGATAACAAAAGAAATTAGAAGG
GTGCGTCTCCTGGTGGAGAGGCTGTGAAGATCGAATTCTGGTAGCACATGACATACATACGAAAACCC
GGCTGATGAAATATGGAGGTACGGCTATTCTCATATACTACCAATGTTGTTCTAAAATGTTGCTGAG
AGGCATAACTGAGAATGTGCTTGATAAGATTCTAATAGAGAACCTAAGCAATGGCTAACTTTCAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG204759 representing NM_030664
Red=Cloning site Green=Tags(s)

MSSLSGKVQTVLGLVEPSKLGRTLTHELAMTFDCCYCPPPCQEAISKEPIVMKNLYWIKNAYSHKEN
LQLNQETEAIKEELLYFKANGGGALVENTTTGISRDTQTLKRLAEETGVHIISGAGFYVDATHSSETRAM
SVEQLTDVLMNEILHGADGTSIKCGIIGEIGCSWPLTESERKVLQATAHAQALGCPVIIHPGRSSRAPF
QIIRILQEAGADISKTVMShLDRTILDKKELLEFAQLGCYLEYDLFGTELLHYQLGPDIDMPDDNKRIRR
VRLLEEGCEDRILVAHDIHTKTRLMKYGGHGYSHILTNVVPKMLLRGITENVLDKILIENTPKWLTFK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_030664

ORF Size: 1047 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_030664.4](#)

RefSeq Size: 3755 bp

RefSeq ORF: 1050 bp

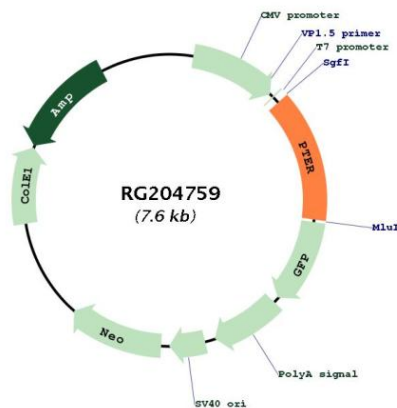
Locus ID: 9317

UniProt ID: [Q96BW5](#)

Cytogenetics: 10p13

Domains: PTE

Product images:



Circular map for RG204759