

Product datasheet for **RG229568**

PIN4 (NM_001170747) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PIN4 (NM_001170747) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PIN4
Synonyms: EPVH; PAR14; PAR17
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG229568 representing NM_001170747
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCATGGCGGGCTTCTAAAGGGGCTTGTACGGCAACTGGAGCGGTTTCAGCGTTCAACAACAAGCTT
CCAAGATGCCGCCAAAGGAAAAAGTGGTTCTGGAAAAGCGGGAAAGGGGGAGCAGCCTCTGGGAGTGA
CAGTGTGACAAGAAGGCTCAAGGTCCCAAAGGTGGTGGCAATGCAGTAAAGGTCAGACACATTCTATGT
GAAAAACATGGCAAATCATGGAAGCCATGAAAAAGTTAAAGTCTGGGATGAGATTCAATGAAGTGGCCG
CACAGTATAGTGAAGATAAAGCCAGGCAAGGGATTCCAGCCTGCAGCAACATGCTGGTCACCATAGAGA
CCTGAGAAGCACCTCATCTCATTGGTATCATATTTACAAACCACCCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG229568 representing NM_001170747
Red=Cloning site **Green**=Tags(s)
MPMAGLLKGLVLRQLERFSVQQQASKMPPKKGKSGSGKAGKGAASGSDSADKKAQGPKGGGNAVKVRHILC
EKHGKIMEAMEKLKSGMRFNEVAAQYSEDKARQGIPLSLQQHAGHHRDLRSTLISLVSYLQTP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

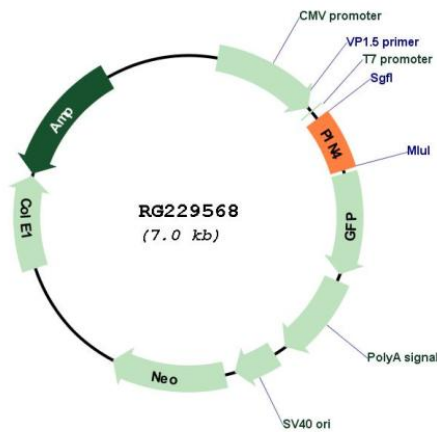


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001170747

ORF Size: 399 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:	<u>NM_001170747.1</u> , <u>NP_001164218.1</u>
RefSeq Size:	1605 bp
RefSeq ORF:	402 bp
Locus ID:	5303
UniProt ID:	<u>Q9Y237</u>
Cytogenetics:	Xq13.1
Gene Summary:	This gene encodes a member of the parvulin subfamily of the peptidyl-prolyl cis/trans isomerase protein family. The encoded protein catalyzes the isomerization of peptidylprolyl bonds, and may play a role in the cell cycle, chromatin remodeling, and/or ribosome biogenesis. The encoded protein may play an additional role in the mitochondria. [provided by RefSeq, Dec 2009]