

Product datasheet for **RG214561**

Peregrin (BRPF1) (NM_004634) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Peregrin (BRPF1) (NM_004634) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Peregrin
Synonyms:	BR140; IDDDFP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214561 representing NM_004634 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGTGGACTTTGATGTGAAGACTTTCTGCCACAACCTGCGGGCGACTAAGCCACCATACGAGTGCC
CGGTGGAGACCTGCCAAAGGTCTACAAGAGTTACAGTGGTATTGAGTACCACCTGTACCACTATGACCA
CGACAACCACCACCCCAACAACAACTCCACTCCGCAAGCACAAGAAAAAGGGCGCCAGTCACGCCCA
GCCAACAAGCAGTCACCCAGCCCCTCAGAGGTCTCACAGTCACCAGGCCGTGAGGTGATGAGCTATGCAC
AGGCCAGCGCATGGTGGAGGTGACTTGCATGGCCGCGTCCACCGCATCAGCATCTTTGACAACCTGGA
TGTGGTGTGAGAGGATGAGGAAGCCCCGAGGAGGCCCTGAGAAATGGCAGCAACAAGGAGAACACTGAG
ACACCAGCTGCTACTCCCAAGTCAGGCAACATAAGAACAAGGAGAAGCGCAAGGACTCCAACCATCACC
ACCACCACAATGTTTCTGCGAGCACCCTCCCAAGCTGCCAGAGGTGGTCTATCGGGAGCTGGAACAGGA
CACCCCTGATGCCCCACCCCGGCAACTTCTATTACCGGTACATCGAGAAGTCTGCAGAGGAGCTGGAC
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GATGGTGTGAGTCCAGAACAGCAATGTCATCCTCTTCTGTGACATGTGCAACCTGGCCGTGCACAGGAGT
GCTACGGTGTCCCCTATATCCCTGAGGGCCAGTGGCTGTGCCCGCTTGCCTGCAGTCACCCCTCTCGTGC
TGTGGATTGTGCCCTGTGCCCAACAAGGGCGGTGCCTTCAAGCAGACAGATGACGGGCGCTGGGCCAT
GTGGTGTGTGCCCTGTGGATCCCTGAGGTCTGCTTCCGCAACACGGTCTTCTAGAGCCTATTGACAGCA
TTGAGCACATCCCACAGCTCGCTGGAAGCTCACCTGCTACATTTGCAAACAACGGGGCTCAGGGCCCTG
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CCGATCAAAATGAAGAAGGCACGGAAGATCCTGGCAGAGAAGCGGGCAGCAGCACCTGTGGTGTCTAGTGC
 CCTGCATCCCACCACACAGGCTTAGTAAAATCACCAACCGCCTGACCATCCAAAGGAAGAGCCAGTTCAT
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 TACTCCGTGGGCACTGGCCGCGGCTGGGCCACAGCATGGTAAGGAAGAGTCTGGCCGGGAGCTGGCT
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 ATCATACCCAGCTCTGATCATTGATCCAAAGATGCCCGAGAAGGTATGTTCCACCATGGGGTCCCATC
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 GAACCAGGACCTAGACAAGGAGAAGATGCTGGAGGGCCGCAAGTCCAACATCCGCAAGTCAGTACAGATC
 GCCTACCACAGGGCTCTGCAGCACCGCAGCAAGGTGCAAGGCGAGCAGAGCAGTGTAGACCAGCGATAGTG
 AT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG214561 representing NM_004634
 Red=Cloning site Green=Tags(s)

MGVDFDVKTFCHNLRA TKPPYECPVETCRKVYKSYSGIEYHLHYHDHNDPPPPQQTPLRKHKKKGRQSRP
 ANKQSPSPSEVSQSPGREVMYSYAQAQRMVEVDLHGRVHRISIFDNLDVSEDEEAPEEAPENGSNKENTE
 TPAATPKSGKHKNKEKRKDSNHHHHHNSASTTPKLEVVYRELEQDTPDAPRPTSYYRYIEKSAEELD
 EEVEYDMDEEDYIWL DIMNERRKTEGVSPIPQEIFEYLMRLEKESYFESHNGDPNALVDEDVCCICN
 DGECQNSNVILFCDMCLNAVHQECYGVPIPEGQWLCRRCLQSPSRAVDCALCPNKGAFKQTDGGRWAH
 VVCALWIPEVCFANTVFLLEPIDSEIHIPPARWKLTCYICKQRGSGACIQCHKANCYTA FHVTCAQQAGLY
 MKMEPVRETGANGTSFSVRKTAYCDIHTPPGSARRLPALSHSEGEDEDEDEEGKGSSEKVKKAKAKS
 RIKMKKARKILA EKRAAAPVSVPCIPPHRLSKITNRLTIQRKSQFMQRLHSYWT LKRQSRNGVPLLRRL
 QTHLQSQRNCQVGRDSEDKNWALKEQLKSWQRLRHDLERARLLVELIRKREKLKRETIKVQQIAMEMQL
 TPFILILLRKTLEQLQEKDTGNIFSEPVPLSEVPDYLDHIKKPMDFFTMKQNL EAYRYLNFDDFEEDFNLI
 VSNCLKYNAKDTIFYRAAVRLREQGAVLRQARRQAEKMGIDFETGMHI PHSLAGDEATHHTEDAEEER
 LVLL ENQKHLPVEEQLKLLL ERLDEVNASKQSVGRSRRAKMIKKEMTALRRKLAHQRETGRDGP ERHGPS
 SRGSLTPHPAACDKDQTD SAAEESSSQETS KGLGPNMSSTPAHEVGRRTSVLFSKKNPKTAGPPKRPGR
 PPKNRESQMTPSHGGSPVGPQLPIMSSLRQRKRGRSPRPSSSSSDSDKSTEDPPMDLPANGFSGGNQP
 VKKSFVYRNDCSLPRSSDSESSSSSSSSAASDRTSTTPSKQGRGKPSFSRGTFFPEDSSEDTSGTENEA
 YSVGTGRGVGHSVMRKS LGRGAGWLSEDESDPLDALDLVWAKCRGYPSYPALIIDPKMPREGMFHHGVPI
 PVPPLVLLKLGEMTQEA REHLVLFVFDNKRTWQWLPRTKLVPLGVNQDL DKEKMLEGRKSNIRKSVQI
 AYHRALQHRKSVQGEQSSETS DSD

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

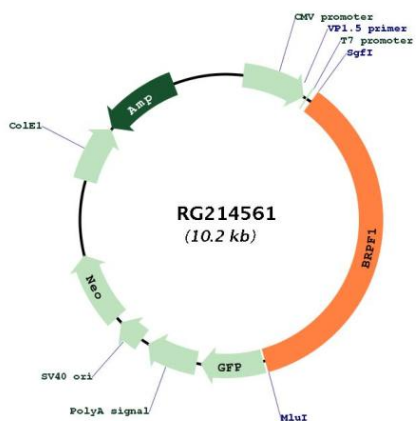


ACCN: NM_004634

ORF Size: 3642 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_004634.2 , NP_004625.2
RefSeq Size:	4710 bp
RefSeq ORF:	3645 bp
Locus ID:	7862
UniProt ID:	P55201
Cytogenetics:	3p25.3
Domains:	PWWP, BROMO, PHD
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene encodes a bromodomain, PHD finger and chromo/Tudor-related Pro-Trp-Trp-Pro (PWWP) domain containing protein. The encoded protein is a component of the MOZ/MORF histone acetyltransferase complexes which function as a transcriptional regulators. This protein binds to the catalytic MYST domains of the MOZ and MORF proteins and may play a role in stimulating acetyltransferase and transcriptional activity of the complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Product images:



Circular map for RG214561