

Product datasheet for **RG203780**

Pleckstrin (PLEK) (NM_002664) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pleckstrin (PLEK) (NM_002664) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pleckstrin
Synonyms:	P47
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203780 representing NM_002664 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACCAAAGCGGATCAGAGAGGGCTACCTTGTGAAGAAGGGGAGCGTGTTCAATACGTGAAACCCA
TGTGGTTGTATTGTTAGAAGATGGAATTGAATTCTATAAGAAGAAAAGTGACAACAGCCCCAAAGGAAT
GATCCCCTGAAAGGGAGCACTGACTAGCCCTTGTCAAGACTTTGGCAAAGGATGTTTGTGTTAAG
ATCACTACGACCAAACAGCAGGACCACTTCTCCAGGCAGCCTTCTGGAGGAGAGATGCCTGGGTTCC
GGGATATCAAGAAGGCCATTAATGCATTGAAGGAGGCCAGAAATTTGCCAGGAAATCTACCAGGAGGTC
CATTTCGACTGCCAGAAACCACTGACTTAGGTGCCTTATATTTGCCATGAAAGACACTGAAAAGGAATA
AAAGAAGTGAATCTAGAGAAGGACAAGAAGATTTTAATCACTGCTTCACAGGTAAGTGCCTCATTGATT
GGCTGGTATCCAACCACTGTTAGGAATCGCCAGGAAGGCTCATGATTGCTTCATCGCTGCTCAATGA
GGGGTATCTGCAGCCTGCTGGAGACATGTCCAAGAGTGCAGTGGATGGAAGTGCCTGAAAACCTTTCTCTG
GACAACCTGATGCCTTCTACTACTTTCCAGACAGTGGTTCTTCTGTGAAGAGAATCCAGTGTATGATG
ATGTGATTCTGAAAGAAGAATTCAGAGGGGTCATTATCAAGCAGGGATGTTTACTGAAGCAGGGGCATAG
AAGGAAAAACTGGAAAGTGAGGAAGTTCATCTTGAGAGAAGACCCCTGCCTACCTGCACTACTATGACCCCT
GCTGGGGCAGAAGATCCCCTGGGAGCAATTCACCTTGAGAGGCTGTGGTGAAGTTCAGTGGAGAGCACT
CAAATGGCAGGAAGAGTGAAGGAAGAGAACCTTTTTGAGATCATCACAGCAGATGAAGTGCATTTTCTT
GCAAGCAGCCACCCCAAGGAGCGCACAGAGTGGATCAAAGCCATCCAGATGGCCTCCCGAACTGGGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203780 representing NM_002664
Red=Cloning site Green=Tags(s)

MEPKRIREGYLVKKGSVFNTWKPMWVLLLEDGIEFYKKSNDNSPKGMIPLKGSTLTSPCQDFGKRMFVFK
 ITTTKQDHFQAAFLEERDAWVRDIKKAIAKCIIEGGQKFARKSTRRSIRLPETIDL GAL YL SMK DTEKGI
 KELNLEKDKKIFNHCFTGNCVIDWLVSNSQSVNRQEGLEMIASSLLNEG YL QPAGDMSKSAVDGTAENPFL
 DNPDAFYFFPDSGFFCEENSSDDDDVILKEEFRGVIKQGLLKKQHRRKNWKVRKFILREDPAYLHYYDP
 AGAEDPLGAIHLRGCVVTSVESNSNGR KSEEENLFEIITADEVHYFLQAATPKERTEWIKAIQMASRTGK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_002664

ORF Size: 1050 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.

RefSeq: [NM_002664.1](#), [NP_002655.1](#)

RefSeq Size: 2745 bp

RefSeq ORF: 1053 bp

Locus ID: 5341

UniProt ID: [P08567](#)

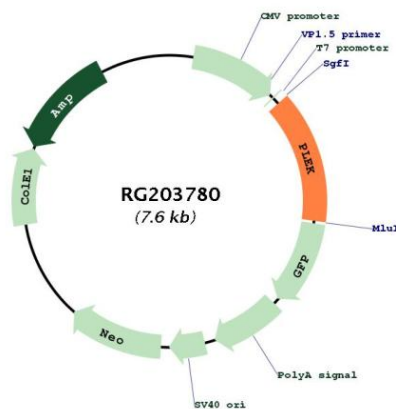
Cytogenetics: 2p14

Domains: DEP, PH

Protein Families: Druggable Genome

Gene Summary: Major protein kinase C substrate of platelets.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203780