

Product datasheet for **RR200546**

Ptafr (NM_053321) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptafr (NM_053321) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptafr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR200546 representing NM_053321 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCAAAATGGCTCCTTCCGTGTGGATTCTGAGTTTCGATACACCCTCTTCCGATCGTTTACAGCG
TCATCTTTGTACTGGCGTGGTTGCCAATGGCTATGTGCTGTGGGTCTTTGCCACCTGTACCCGTCCAA
GAAACTGAATGAGATAAAGATCTTCATGGTGAATCTCACCGTGGCGGACCTGCTCTTCTGATGACCCTC
CCGCTGTGGATTGTCTATTACTCCAACGAGGGCGACTGGATTGTACACAAATTCCTGTGCAACCTGGTG
GCTGCCTCTTTCATCAATACCTACTGCAGTGTGGCCTTCTTGGCGTCATCACTTATAACCGTACCA
GGCAGTAGCCTATCCCATCAAGACCGCCAGGCCACCACCCGCAAGCGTGGCATCACTTTGTCCCTGGTC
ATTTGGATATCCATCGCGGCTACTGCATCCTACTTCTGCCCACAGACTCTACCAACGTGGTGCCAAAA
AGGATGGCTCAGGTAACATCACCCGCTGCTTTGAGCATTATGAGCCATACAGTGTGCCCATCCTTGTGCT
CCACATCTTCATCACCTCCTGTTTCTTCTCGTCTTCTTCTCATCTTCTACTGCAACATGGTCATCATC
CACACGCTGCTCACGCGGCTGTGCGGCAGCAGCGCAAACCGGAAGTGAAGCGCCGGGCGCTGTGGATGG
TCTGCACTGTCTGGCGGATTTGTTCATCTGCTTTGTGCCCATCACGTGGTCCAGCTACCCTGGACCT
AGCAGAGTTGGGCTACCAGACCAACTTCCATCAGGCTATTAATGATGCCACCAAATCACCTCTGCCTC
CTGAGCACCAACTGCGTCTTAGATCCTGTTATCTACTGCTTTCTACCAAGAAGTCCGGAAGCACCTCA
GGAAAAGTTTTACAGCATGCGAAGTAGCCGGAAGTGTCCCGAGCCACTAGCGACAGTGCACCGAGGT
GATGATGCCAGCAACCAGACTCCTGTCTGCCATTGAAAAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200546 representing NM_053321
Red=Cloning site Green=Tags(s)

MEQNGSFRVDSEFRYTLFPIVYSVIFVLGVVANGYVLVWFATLYPSKKLNEIKIFMVNLTVADLLFLMTL
 PLWIVYYSNEGDWIVHKFLCNLAGCLFFINTYCSVAFLGVITYNRYQAVAYPIKTAQATTRKRGITLSLV
 IWISIAATASYFLATDSTNVVPPKKGSGNITRCFEHYEPYSVPILVVHIFITSCFFLVFLLIFYCNMVII
 HTLLTRPVRQQRKPEVKRRALWMVCTVLAVFVICFVPHHVVLQWTLAELGYQTNFHQAINDAHQITLCL
 LSTNCVLDPVIYCFLLTKKFRKHLSEKFYSMRSSRKCSRATSDTCTEVMMPANQTPVLP LKN

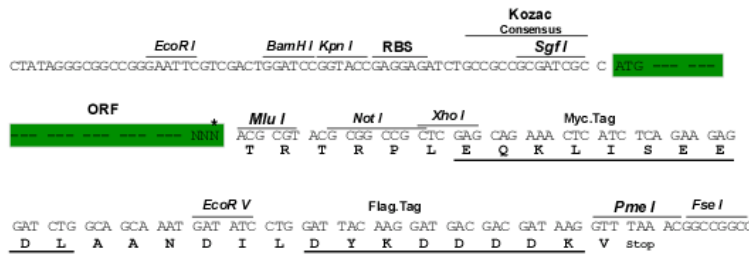
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2312_b08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



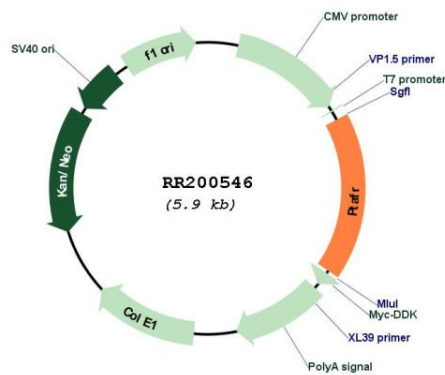
ACCN: NM_053321

ORF Size: 1023 bp

OTI Disclaimer: 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.

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_053321.2, NP_445773.1</u>
RefSeq Size:	3370 bp
RefSeq ORF:	1026 bp
Locus ID:	58949
UniProt ID:	<u>P46002</u>
Cytogenetics:	5q36
MW:	39.7 kDa
Gene Summary:	acts as a receptor to mediate the biological effects of platelet-activating factor [RGD, Feb 2006]

Product images:


Circular map for RR200546