

Product datasheet for **RR215698**

Ptpn7 (NM_145683) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptpn7 (NM_145683) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ptpn7
Synonyms: Heptp; Lcptp
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215698 representing NM_145683
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCCAGGCCTGTGAGGGCGCTCCAGAGCACAGCTGCCGACCTTGTCTTTGGGGCAGACATGACTC
AGCCTCCACCCGCAAAGCTCCAGCCAAGAAGCATGTGCGGCTGCAGGAGAGAAGGGCTCCAGTGTGGC
TCTGATGTGGATGTGCGGTCACTGGGCACTGTGAGCCCATCTGCTCAGTGAACACACCCCGTGAAGTC
ACCTGCACTTCCGCGCACAGCCGGCACCCCTTACACGCTGGACTCTACAGCACAGCCTCCAGCC
CCAAGCAGCTAGAAGAGGAATTCTGAAGATCCCTCAAACCTTTGTCAACCTGAAGACCTGGATATCCC
TGGCCATGCCTCAAAGACCGATACAAGACCATCTTGCCAAATCCCAGAGCCGTGTCTGTCTTGGCCGG
GCACACAGCCAGGAGGACAGCGACTACATCAATGCCAATTACATCCGGGGCTATGATGAAAGGAGAAGG
TCTACATTGCTACCCAGGGCCCATGCCCAACTGTAGCAGACTTCTGGGAGATGGTGTGGCAGGAAGA
TGATCCCTCATTGTCTGCTCAGCCAGCTCCGAGAGGGCAAGGAGAAATGTGTACTACTGGCCACA
GAAGAGGAAGCCTATGGGCCCTCCAGATCCGCATCCAGGCATGAAAGAGCACCCAGATACTGTGA
GGCACCTCACCATTCAGCACCAACAGGAATGCCGGTCAGTGAAACACATCCTCTTCTCAGCCTGGCCAGA
CCACCAGACCCAGAATCAGCCGGGCCCTGCTGCGCCTGGTGGCTGAGGTGGAGACCCAGAGACAGCT
GCCAACTCCGGGCTATAGTGGTCCACTGCAGCGCAGGGATCGGTGCGACAGGCTGCTTTCATCGCCACCC
GAATCGGCTGCCAGCAGCTGAAGGCCGAGGGGAGGTGGACATTCTGGGCATTGTGTGCCAACTTCGCT
AGACAGAGGAGGCATGATCCAGACGGCGGAGCAGTACCAGTTCCTACACCACACTTTGGCCCTGTATGCA
GCCAGCTGCCCGGAGACCGACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR215698 representing NM_145683
Red=Cloning site Green=Tags(s)

MVQACEGRSRAQLPTLSLGADMTQPPPAKAPAKKHVRLQERRGSSVALMLDVRS LGTVEPICSVNTPREV
 TLHFLRTAGHPLTRWTLQHPPSPKQLEEEFLKIPSNFVNPEDLDIPGHASKDRYKILPNPQSRVCLGR
 AHSQEDSDYINANYIRGYDGKEKYYIATQGPMPNTVADFWEWVWQEDVSLIVMLTQLREGKEKCVHYWPT
 EEEAYGPFQIRIQGMKEHPEYTVRHLTIQHQQECSRVKHILFSAWPDHQTPESAGPLLRVAEVE TPETA
 ANSGPIVVHCSAGIGRTGCFIATRIGCQQLKARGEVDILGIVCQLRLDRGGMIIQTAEQYQFLHHTLALYA
 AQLPPETDP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

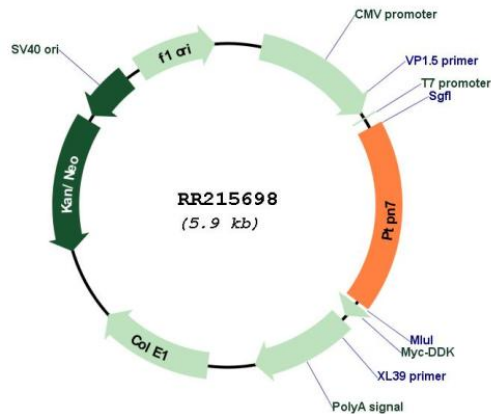
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_145683

ORF Size:	1077 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:	NM_145683.1 , NP_663716.1
RefSeq Size:	2032 bp
RefSeq ORF:	1080 bp
Locus ID:	246781
UniProt ID:	P49445
Cytogenetics:	13q13
MW:	40.3 kDa
Gene Summary:	tyrosine phosphatase found in T cells, B cells and mast cells [RGD, Feb 2006]