

Product datasheet for **RR213149**

Ptk7 (NM_001106889) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptk7 (NM_001106889) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ptk7
Synonyms:	Srf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RR213149 representing NM_001106889
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGAGCTTTGCCAGGGTGTCTGCTGGCACCTCAGGACGTCGTTGTGGCAAGGAATGAGGAGGCCATGTT
 CCATTGCCAGTTTTAGCTCAGCCGCCCGAGCCTGCAGTGGGTCTTTGAGGATGAGACTCCCATCACG
 AACCGAAGCCGCCATGGTGTGGCAATGGCTCCCTGCTGCTGACCCAAGTCCGGCCACGGAACGCAGGA
 GTCTACCGTTGCATTGGTCAGGGACAGAGGGTCCCCCATCGTCTAGAAGCCACTCTTACCTGGCAG
 AGATCGAAGACATGCTGCCGTTGGAACACGGGTGTTCAAGCTGGTGGTGGGAACGTTGCCTGCC
 AGCCCCCAGGGTCTGCCTACGCCAGTGTCTGGTGGGAACACGCTGGAGTCCGTCTTCTGCTCATGGA
 AGGGTCCACCAGAAGGGCCTCGAGCTCGTGTGGCCACTATCGCTGAGAGTGACGCCGGTGTCTACACCT
 GCCACGCAGCCAACTGGCTGGTCAGCGGCAGCAGGATGTGAACATCACAGTGGCCACTGTTCCACGTTG
 GTTAAGGAAGCCCAAGACAGCCAGCTGGAAGAGGGCAAACCTGGCTACCTGCAGTGTCTGACACAGGCC
 ACACCCAAAGCCACCGTCACTGGTACAGGAACAGATGCTTATCTCGGAGGACTCACGCTTCGAAGTCT
 CAAAGAATGGGACCTTGGCATCAACAGTGTGGAGGTATATGACGGGACAGTGTACCGCTGTGTGAGCAG
 CACCCAGCTGGCAGCATCGAGGCCAGGCCCGTGTCCAGGTGCTGGAAAACTCAAGTTCACGCCACCG
 CCACAGCCACAGCAATGCATGGAGTTTGATAAGGAGGCTACGGTGCCTGCTCAGCCACTGGCCGAGAGA
 AACCCACGGTTAAGTGGGTACGGGCAGATGGGAGCAGCCTCCCGAATGGGTGACAGACAATGCGGGGAC
 CCTGCACTTTGCCGAGTGACCCGAGATGACGCTGGCAACTACACCTGCATTGCGTCCAATGAGCCACAG
 GGCCAGATCCGTGCCATGTCCAGCTGACGGTGGCAGTTTTATCACGTTCAAGGTGGAACCCGAGCGTA
 CAACGGTGTACCAGGGCCACACGGCGCTGCTGCGGTGTGAGGCGCAGGGGGATCCCAAGCCTCTTATTCA
 GTGGAAGGGCAAAGACCGAATCCTGGACCCACCAAGCTGGGACCCAGGATGCACATCTTCCAGAACGGC
 TCCTGGTGATCCATGATGTGGCCCTGAGGACTCAGGCTCTACACCTGCATCGCTGGCAACAGCTGTA
 ACATCAGGCACACAGAGGCCCGCTCTTAGTCGTGGTGGCCTTTGCAGAATGGACAGCCGTGACGAGA
 GATCCAGGAAGAAGTGGCGTTGACCAGCTTGGGCTCTGGCCCTACAGCCACCAACAAGCGCCACAGCACT
 GGCATAAGATGCATTTCCCTCGGGCCAGCCTGCAGCCCATCACCCTCTGGGAAAAGCGAGTTCGGGG
 AGGTGTTCCCTCGCAAAGGCTCAGGGCTTAGACGAAGGCGCAGAGACCCTGGTGTGTGAAAAGCCT
 GCAGACAAGGACGAGCAGCAGCAGCTGGACTTCCGGAGGGAGTTGAGATGTTGGGAACTGAACCAT
 GCCAACGTGGTGGGCTCCTGGGCTGTGCCGGAGGCTGAGCCCATACATGGTGTGGAGTATGTGG
 ACCTGGGAGATCTCAAACAGTTCCTGAGGATTTCCAAGAACAAGGATGAAAAGTTGAAGTACAGGCCCT
 CAGCACCAAACAGAAGGTGGCCCTGTGTTCCAGGTGGCCCTGGGCATGGAACACTTGTCCAACAACCGC
 TTTGTGCAACAAGGACTTAGCTGCTCGCAACTGCCTGGTCAGCGCCAGAGGCAGGTGAAGGTGTCCGCGC
 TGGGCTCAGCAAGGATGTATACAACAGTGAATACTACCCTTCCGCCAGGCCTGGGTACCTTTGCGTTG
 GATGTCCCAGAGGCTGTCTGGAGGTGACTTCTCCACCAAGTCTGACGCTCTGGGCTTTGGCGTGCTC
 ATGTGGGAAGTGTCACTCATGGAGAGATGCCCATGGTGGACAGGGAGATGATGAGGTGCTGGCGGACT
 TGCAGGCTGGGAAGGCTCGGCTCCCGCAGCCGAAGGCTGCCCGTCTAAGCTCTACCGGCTGATGCAACG
 CTGCTGGGCCCTGAACCCCAAGGACCGCCCTCCTTCAGCGAGATCGCTAGCACCTGGGAGATGGCCCT
 GCAGACAGCAAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213149 representing NM_001106889
Red=Cloning site Green=Tags(s)

MRALPGCCWHLRTSLWQGMRRPCSIAFQLSRPRACSGSLRMRLPSRTEAAMVFANGSLLLTVRPRNAG
VYRCIGQGQRGPPIVLEATLHLAEIEDMLPEPRVFIAGGEERVACPAQGLPTPSVWWEHAGVRLPAHG
RVHQKGLELVFATIAESDAGVYTCHAAANLAGQRRQDVNITVATVPTWLRKPDQSQLEEGKPGYLHCLTQA
TPKPTVIWYRNQMLISEDSRFEVSKNGTLRINSVEVYDGTVYRCVSSTPAGSIEAQRVQVLEKLFKFTPP
PQPQQCMEDKEATVPCSATGREKPTVKWVRADGSSLPEWYTDNAGTLHFARVTRDDAGNYTCIASNEPQ
GQIRAHVQLTVAVFITFKVEPERTVYQGHTALLRCEAQGDPKPLIQWKGKDRILDPTKLGPRMHIFQNG
SLVIHVDVAPEDSGSYTCIAGNSCNIRHTEAPLLVVGGLQNGQPSAEIQEEVALTSLGSGPTATNKRHST
GDKMHFPRASLQPITTLGKSEFGEVFLAKAQGLDEGATELVLVKSLQNKDEQQQLDFRREFEMFGKLNH
ANVVRLLGLCREAEPHYMVLEYVDLGDLDKQFLRISKNKDEKLSQPLSTKQKVALCSQVALGMEHLSNNR
FVHKDLAARNCLVSAQRQVKVSALGLSKDVYNSEYYHFRQAWVPLRWMSPÉAVLEGDFSTKSDVWAFGVL
MWEVFTHGEMPHGGQGDDEVLDLQAGKARLPQPEGCPKLYRLMQRCWALNPKDRPSFSEIASTLGDGP
ADSKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001106889

ORF Size: 2325 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_001106889.1](#), [NP_001100359.1](#)

RefSeq Size: 3934 bp

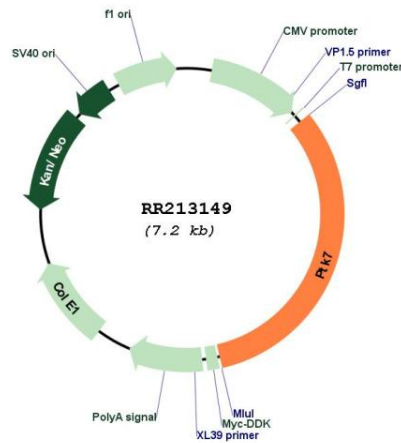
RefSeq ORF: 2328 bp

Locus ID: 301242

Cytogenetics: 9q12

MW: 85.9 kDa

Product images:



Circular map for RR213149