

Product datasheet for **RR216789**

Tchp (NM_001191666) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tchp (NM_001191666) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tchp
Synonyms:	RGD1310813
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR216789 representing NM_001191666
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGCTCCCCACGCTGCCCTTTATTGGTCCAACCGCAGACCCGGAATATCCGCTACCGCCAGCAAC
 AGCAGGAGGACGAGTTTTCGCCAGCAGTGGGAGCAGAACAGTCGCTATTTCAAGACGTGGGACCTCCACAA
 CTCCAAACAGACCGAATGGACCTCCAAGACCTCTACCAGCGAAGCATGCACGCCCTCTACTGTGGCAAG
 ATGGAGGAGGAGGAGGAAGAATCTGGAGGTCCGGCGGGAGAGACTCAGGAAGCTTATGCTGGAGGAGC
 AGGACTTGTGGCCGAAGAGCTGGAGAACTGAGGCTGAGTATGAGCCTGCGGGAGCGAAGACTCCGGGA
 GCAGCACAGGGATCTGAAGTCAGCCGAGAAGAACAAGGAACTGATGGCTGAACAACCTCTGTATGAA
 CACTGGAGGAAGAACAACCCGAACTTCGAGAGATTGAGTTGGACCTTACAAGAAGCATGTGATAAATT
 CCTGGGCAACACAGAAAGAAGAAAAAACAAGCAAGAAGCCACTGAGAAGCAGGAAAACAAGCAGTTTGA
 GAACGAGTATGCGGCCGCCAGGAAGCTGAGGCCAGGCTGAAAGCCGAGGAGGAGGAAGCAGCTA
 GAGGGTACAGTGCAGGGCGAGGCTCTGCCCCAGCAGATGGAGGAGCTGAAGCAGAAGGAGATGGAGGCCA
 CCAAACCTGAAGAAGAACAGGAGAACCTGCTGAAGCAGCACTGGGAACTGGAAAGGCTGGACGACGAAAG
 GAAGCAGATGGCCATCGTCCGGCGCAAGACAGAGCTAGGGCGCATCTTGGCAGATCAGTACAATGCGCAG
 CTCAACAGGCGCACCCAGCAGATCCAGGAGGAGCTGGAGGAGATGGGCGGATCTGCAGGCACTGCTGG
 AGAAGGACAATGAGTGCAGCAAGTCAAGTGGCAGGCGGGAGCAAGCCATGGCCGATGCGGCCAGAT
 GAAGCAGGTATCGAGGAGCAGTGCAGCTGGAGAAGGCAGGGAGGAGAGCTGCAGCAGCTGCTGAGG
 GAAGAGGCCAAAGAGATGTGGGAAAAGAGAAGCAGAGTGGGCTCGAGAGCAGAGTGGCGGGACAAC
 TGATGAGCGAGGTTCTGACCGGAGGAGCAGCAGATCCAAGAAAAGATTGAACAGAACCAGGAGCAGCA
 AGAGGAGACCCTAAAATACAGGGAAGAAGTCAAGAGTCTCGAGGAGGGGAAGCAGTTAGCTCTGCGG
 GCAAAGGAAGAGAGTGAAGAGCTGAAGTCAAGCAGGAGGAGCTGGAAGCCAGGTTGCGGAGCGCC
 AGTTCCAGGAGTGGGAAGCAGCCCGCAGGAGGAGGAGGAAGAGAAGGAGGCCAAGAAGGCAGAACAGCT
 CTCCAACGCTCGGCTGCAGCAGGAGGCGAGGACCATGGTGAAGAGGGGCTACAGGCCAAGATTCATGGA
 CACCTCAGGATTGCTGGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216789 representing NM_001191666
 Red=Cloning site Green=Tags(s)

MALPTLPSYWSNRRPANIRYRQQQEDEFRRQWEQNSRYFKTWDLHNSKQTEWTSKTSYQRSMHALYCGK
 MEEERRKNLEVRERLRKLMLEEQDLLAELEEELRLSMLRERRLRQHRDLKSAREEQRKLMAEQLLYE
 HWRKNNPKLREIELDLHKKHVINSWATQKEKKQEQATEKQENKQFENEYAAARQEAERLKAEEERKQL
 EGQLQGEALRQQMEELKQKEMEATKLKKEQENLLKQHWELERLDDERKQMAIVRRKTELGRILRHQYNAQ
 LNRRTQIQEELADGRILQALLEKDNELQQVELARREQAMADAAQMKQVIEEQQLQLEKAREALQQLLR
 EEAKEMWEKREAEWAREQSARDKLMSEVLTGRQQIQEKIEQNRRAQEETLKYREELIKSLEEGKQLALR
 AKEESEELKSARKQLEAQAERQFQWEAARQEEEEKEAKKAEQLSNARLQQEARTMVKRGRPKIHG
 HLRIAWD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

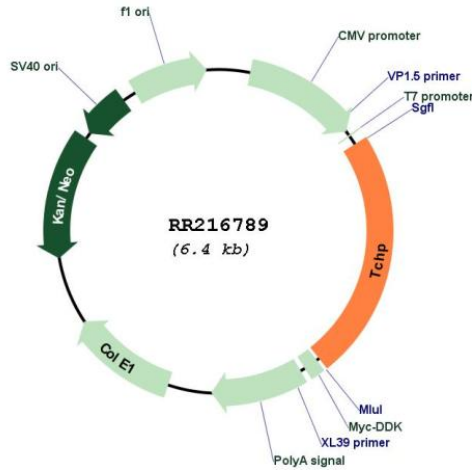
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001191666

ORF Size: 1491 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_001191666.1](#), [NP_001178595.1](#)

RefSeq Size: 2653 bp

RefSeq ORF: 1494 bp

Locus ID: 304547

Cytogenetics: 12q16

MW: 60.5 kDa