

Product datasheet for **RC226239**

TTL6 (NM_001130918) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTL6 (NM_001130918) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TTL6
Synonyms:	TTL.6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC226239 representing NM_001130918
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGAGCGTTACTCCTTCATCCTTCGAGGAGGGGGCCGGCAGGTGTGGTTGCAAGCTGGACTAGCAGCC
 CAGCGGGCGAGACGGGGAGTAGGAATTGCGGGGGCCTGGTATTTCCCCAGAGCCTCTCCAGGCCAG
 GGAGATGCCACAGTGCCCGACTTTGAAAAGCCAGGAAGGGGAAAACCTCCGAAGAGAAGGGGGACAGTTCC
 AAAGAAGATCCAAAAGAAACCGTCGCGCTGGCTTTGTGAGAGAGAACCAGGGGCACAAAACGGACTTC
 AGAATGCCAGCAGCAAGGCAAGAAGAAGAGAAAAGAGATTGGTGATCAATCTATCCAGCTGCCG
 GTATGAGAGTGTGCGCAGGGCTGCCAACAGTACGGCTTAGAGAGGGAGGGGAAGCAGTACTGGACT
 CTCTATTGGACAGATTACTCAGTGTCACTGGAGCGGGTATGAAATGAAAAGTTACCAGAAGATCAATC
 ACTTCCCCGGGATGAGTAAAATCTGCCGAAGGACTTGTGGCCAGGAACATGAGCCGATGTTAAAGAT
 GTTCCCTAAAGATTTCCGCTTTTCCCTAGGACCTGGTGTCTTCTGCTGACTGGGGAGATTTGCAGACC
 TACAGCAGGTCAAGAAAAATAAGACATACATTTGTAAGCCGGATTCGGGCTGCCAAGGGAAAGGTATAT
 TCATCACCCGGACAGTGAAGAAATCAAACCAGGGGAGGATATGATCTGTGAGCTGTATTTCAAAGCC
 CTTTATCATTGATGGGTTAAGTTTGACCTACGGATTTATGACTGGTGACATCCTGTGACCCTCTCAGG
 ATTTTTGTGTACAATGAAGGACTGGCCCGCTTTCGACGACCTTACTCCCGCCCTTGCACAGACAACC
 TGGATGATATCTGCATGCACCTGACTAATTATCCATTAATAAGCACAGTTCAAATTTAGTCGAGATGC
 ACACTCTGGCAGTAAGAGGAAGCTCTCCACCTCAGTGCATACTGGAGGACCACAGCTACAACGTGGAG
 CAGATATGGAGGGATATTGAGGACGTATCATCAAGACCCTCATCTCGGCCACCCCATCATCAGGCATA
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 CCCTCTCCAGAATACTGTTGCTTCCAGGGCTCGGGAGGAGTATGCCCGCAACTGATCCAGGAGCTGAG
 ACTAAAACGGGAGAAAAAGCCCTTCAAATGAAGAAGAAGGTAGAGATGCAGGGGAATCGGCAGGCGAG
 CAAGTGAGAAAGAAGGGCATGAGGGCTGGCAACAGAAACAACAGCAGAAAGACAAGGCCGCCACCAAG
 CCTCCAAACAGTACATCCAGCCATTGACATTAGTATCCTACACACCTGACTTGTCTTGAGTGTGAGAGG
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 ATGTGAGAGGAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226239 representing NM_001130918
Red=Cloning site Green=Tags(s)

MGALLLHPSRRGPAGVVASWTSSPAGRDGGVGIAGAWYFPRASSQAREMPQCPTLESQEGENSEEKGDSS
 KEDPKETVALAFVRENGAQNGLQNAQQQGGKKRKKRLLVINLSSCRYESVRRAAQQYGFREGGEDDWT
 LYWDYSVSLERVMEMKSYQKINHFPGMSEICRKDLLARNMSRMLKMFPKDFRFFPRTWCLPADWGLQT
 YSRSRKNKTYICKPDSGCQGGKIFITRTVKEIKPGEDMICQLYISKPFIIDGFKFDLRIYVLVTS CDPLR
 IFVYNEGLARFATTSYSRPCTDNLDDICMHLTNY SINKHSSNFSRDAHSGSKRKLSTFSAYLEDHSYNVE
 QIWRDIEDVVIKTLISAHP IIRHNYHTCFPNHTLNSACFEILGFDILLDHKLPWLLVNHSPSFSTDSR
 LDKEVKDGLLYDTLVLINLESCDKKKVLEERQRGQFLQCCSREMRIEEAKGFRAVQLKKTETYEKENC
 GGFRLIYPSLNSEKYEKFFQDNNSLFQNTVASRAREEYARQLIQELRLKREKPFQMKKKVEMQGESAGE
 QVRKKGMRGWQQKQQKDKAATQASKQYIQPLTLVSYTPDLLSVRGERKNETDSSLNQEAPTEEASSVF
 PKLTSAPFSSLPDLRNINLSSKLEPSKPNFSIKEAKSASAVNVFTGTVHLTSVETTPESTTQLSISPK
 SPPTLAVTASSEYSGPETDRVVSFKCKKQTPPHLTQKKMLKSF LPTKSKSFWESPNTNWTLLKSDMKNP
 HLISELLTKLQLSGKLSFFPAHYNPKLGMNLSQNPSP L PGECHSRSDSSGKQRQLDVSSLLLQSPQSYNV
 TLRDLLVIATPAQLDPRPCRSHASAMRDP C MQDQEAYSHCLISGQKGCERS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

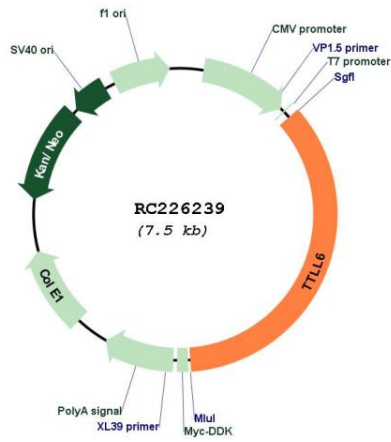
Cloning Scheme:



ACCN: NM_001130918

ORF Size:	2673 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_001130918.3
RefSeq ORF:	2676 bp
Locus ID:	284076
UniProt ID:	Q8N841
Cytogenetics:	17q21.32
MW:	101.1 kDa
Gene Summary:	Polyglutamylase which preferentially modifies alpha-tubulin. Mediates tubulin polyglutamylation in cilia. Involved in the side-chain elongation step of the polyglutamylation reaction rather than in the initiation step. Generates long side-chains. Generates polyglutamylation of CGAS, leading to impair the DNA-binding activity of CGAS. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC226239