

Product datasheet for RC220438

TTLL10 (NM_153254) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTLL10 (NM_153254) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TTLL10
Synonyms:	TTLL5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220438 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGGAGCAGCCAGGAGGAGGGACTCCGGTGTACGCCAAGCCAGCCAGACCACGACGCAGATGGACACT
 GTGGGCCCGGACCTGGAGGGGGCAGAAAGAGCCTCTGCCACACCCGGACCCCTGGGCTCTGAACAGCCA
 CCGGCCTGCAGACTCGGATGACACTAACGCCGCGGGCCCTCAGCTGCCCTCTGGAGGGGCTCTGCTG
 GGGGGTGGGAAGCCATCGCCCCACAGCACCCGGCCGGGGCCCTTCTTCTACATTGGAGGCAGCAACGGG
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 CACGCTGAAGTGGTGTGAGGTCAAGAGCCGAGACAGCTACGGCAGCTTCCGGGAAGGAGAGCAGCTGCTG
 TACCAGCTTCCCAACAACAAGCTCCTCACCACCAAGATCGGGCTGCTCAGCACCCCTTCGGGGACGGGCAC
 GGGCCATGAGCAAGGCCAGCAAGGTGCCGGGGGGGTCCAGGCCAGGCTGGAAAAGGACGCAGCAGCGCC
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 GGAAGTTGCCGCCCTGCAGGCCAAGACCCGAGCATGGAGGACGACCCCATCCACCACAAGACGCCGTTT
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 CCTCACCTTAGCCTTTACGACCCCATTCACGCGACCTCGGCGGCCACTTGACCAACCAGTTTCATGCAG
 AAGAAGAGCCCTCTGTACATGCTGCTGAAGGAGCACACGGTGTGGAGCATGGAACACCTCAACCGCTACA
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 ACTGTGCCCTCCAGTCTGGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC220438 protein sequence
 Red=Cloning site Green=Tags(s)

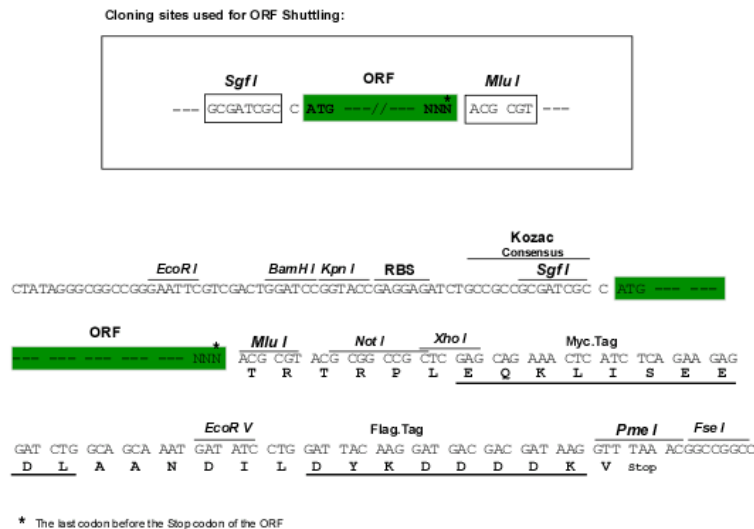
MGSSQEEGLRCQPSQPDHDADGHCGPDLEGAERASATPGPPGLLSHRPADSDDTNAAGPSAALLEGLLL
 GGGKPSPHSTRPGPFYIGGSNGATIISYCKSGWQRIHDSRRDDYTLKWCEVKS RDSYGSFREGEQLL
 YQLPNNKLLTTKIGLLSTLRGRARAMSKASKVPGGVQARLEKDAAPALEDLPTWSPGYLRPQVRMEE
 FFPETYRLDLKHEREAFFTLFDETIWICKPTASNQKGIFLLRNQEEVAALQAKTRSMEDDPIHHKTPF
 RGPQARVVQRYIQNPILLVDGRKFDVRSYLLIACTTPYMIFFGHGYARLTLSLYDPHSSDLGGHLTNQFMQ
 KKSPLYMLLKEHTVWSMEHLNRYISDTFWKARGLAKDWFTTLKVRPLCPPVWE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6465_e12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153254

ORF Size: 1212 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_153254.3

RefSeq Size: 2126 bp

RefSeq ORF: 1215 bp

Locus ID: 254173

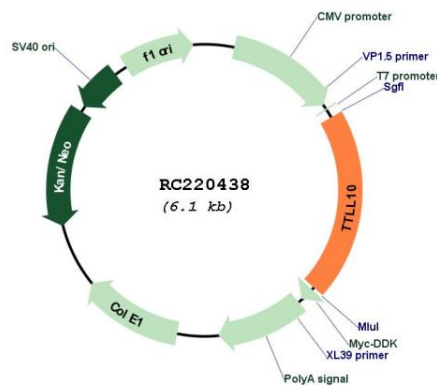
UniProt ID: Q6ZVT0

Cytogenetics: 1p36.33

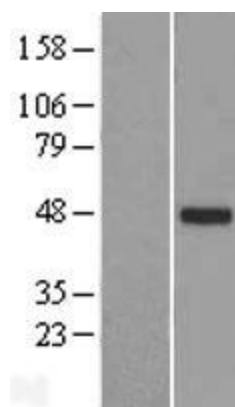
MW: 45.4 kDa

Gene Summary: Inactive polyglycylase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC220438



Western blot validation of overexpression lysate (Cat# [LY407169]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220438 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).