

Product datasheet for **RG220438**

TTLL10 (NM_153254) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTLL10 (NM_153254) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TTLL10
Synonyms:	TTLL5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG220438 representing NM_153254 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAGCAGCCAGGAGGAGGGACTCCGGTGTACGCCAAGCCAGCCAGACCACGACGCAGATGGACACT
GTGGGCCCGGACCTGGAGGGGGCAGAAAGAGCCTCTGCCACACCCGGACCCCTGGGCTCCTGAACAGCCA
CCGGCCTGCAGACTCGGATGACACTAACGCCGCGGGCCCTCAGCTGCCCTCCTGGAGGGGCTCCTGCTG
GGGGGTGGGAAGCCATCGCCCCACAGCACCCGGCCGGGGCCCTTCTTCTACATTGGAGGCAGCAACGGGG
CCACAATCATCAGCTCCTACTGCAAAAGCAAGGGCTGGCAGCGCATCCATGACAGCCGCCGGGACGACTA
CACGCTGAAGTGGTGTGAGGTCAAGAGCCGAGACAGCTACGGCAGCTTCCGGGAAGGAGAGCAGCTGCTG
TACCAGCTTCCCAACAACAAGCTCCTCACCACCAAGATCGGGCTGCTCAGCACCCCTTCGGGGACGGGCAC
GGGCCATGAGCAAGGCCAGCAAGGTGCCGGGGGGGTCCAGGCCAGGCTGGAAAAGGACGCAGCAGCGCC
CGCCCTGGAGGACCTCCCGTGGACAAGCCAGGATACCTCAGGCCACAGAGGGTCTGAGAATGGAAGAG
TTTTTCCAGAGACCTACCGCTGGACCTCAAACACGAGAGAGAGGCCTTTTTCACCTTGTTTGATGAAA
CCCAGATATGGATCTGCAAGCCACAGCCTCAACCAGGGCAAAGGCATCTTCTGCTCCGAACACAGGA
GGAAGTTGCCGCCCTGCAGGCCAAGACCCGAGCATGGAGGACGACCCCATCCACCACAAGACGCCGTTT
CGGGGGCTCAGGCGCGGGTGGTGCAGAGGTACATCCAGAACCCGCTGCTGGTGGACGGGAGAAAGTTTG
ACGTGCGCTCCTACCTGCTCATTGCCTGCACCACACCCTACATGATCTTCTTTGGCCACGGCTATGCTCG
CCTCACCTTAGCCTTTACGACCCCATTCAGCGACCTCGGCGGCCACTTGACCAACCAGTTTCATGCAG
AAGAAGAGCCCTCTGTACATGCTGCTGAAGGAGCACACGGTGTGGAGCATGGAACACCTCAACCGCTACA
TCAGTGACACGTTCTGGAAGGCCCGGGGCTCGCCAAGGACTGGGTCTTACCACCCTCAAGGTGCGTCC
ACTGTGCCCTCCAGTCTGGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG220438 representing NM_153254
 Red=Cloning site Green=Tags(s)

MGSSQEEGLRCQPSQPDHDADGHCGPDLEGAERASATPGPPGLLNSHRPADSDDTNAAGPSAALLEGLLL
 GGGKPSPHSTRPGPFYIGGSNGATIISYCKSGWQRIHDSRRDDYTLKWCEVKS RDSYGSFREGEQLL
 YQLPNNKLLTTKIGLLSTLRGRARAMSKASKVPGGVQARLEKDAAPALEDLPTWSPGYLRPQVRVLRMEE
 FFPETYRLDLKHEREAFFTLFDETQIWICKPTASNQKGIFLLRNQEEVAALQAKTRSMEDDPIHHKTPF
 RGPQARVVQRYIQNPILLVDGRKFDVRSYLLIACTTPYMIFFGHGYARLTLSLYDPHSSDLGGHLTNQFMQ
 KKSPLYMLLKEHTVWSMEHLNRYISDTFWKARGLAKDWVFTTLKVRPLCPPVWE

TRTRPLE – GFP Tag – V

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: 2111 bp

RefSeq ORF: 1215 bp

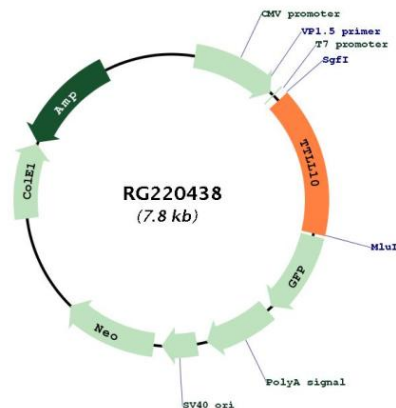
Locus ID: 254173

UniProt ID: [Q6ZVT0](#)

Cytogenetics: 1p36.33

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

Product images:



Circular map for RG220438