

Product datasheet for **RG223458**

TTLL13 (NM_001029964) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TTLL13
Synonyms:	FLJ46079; MGC33417
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG223458 representing NM_001029964
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGCCGAGTACCTGTAGGACCATGGAATCAGAGGAAGACTATGTTGAGGAAAAGGAATCTGAGAAGT
 GTGTTAAAGAGGGAGTTACCAACCCCTCTAACTCTTACAGCAGGCTCTCTTAAAGCTGACTATAAGGC
 ATTAATAAATGGGGTTCCTCACCCATTATGGCCACAAAAATCCGAAGAAAGTCATAGCCCCAGTTGAC
 ACAGGCGACTTAGAAGCTGGGAGGAGGAAGAGAAGGCGAAACGCAGATCACTGGCCATCAACCTGACCA
 ACTGCAAGTATGAGAGTGTGCGTCGGCAGCCCAATGTGTGGCTGAAGGAGGTGGGGAGGATGAAGA
 GTGGACTCTGTACTGGACAGACTGCGCTGTCTCACTGGAACGAGTCATGGACATGAAGAGGTTTCAGAAA
 ATCAACCACTTCCCTGGCATGACAGAAATCTGCCGAAAGATCTGCTGGCTCGGAACCTCAACCGCATGT
 ACAAATCTATCCCTCTGAGTACAACATCTTCCCCGACCTGGTGCCTCCCCGAGACTATGGGACTT
 CCAGTCTACGGTCTGACGAAAAAGCCGCACATATCTGCAAGCCAGACAGTGGCTGTGAGGACGT
 GGCATCTTCAATACCCGAAATCCCCGGGAGATCAAGCCAGGAGAGCATATGATCTGCCAGCAATACATCT
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 AACCACTGGACAATGTCTGCATGCACCTGACCAACTATGCTATCAACAAACAAATGAGAATTTGTCC
 GGGATGGCGCTGTGGGAGTAAGAGGAAGCTGTGACACTCAACATCTGGCTGCAAGAGCAGAGCTACAA
 CCCTGGAGAGCTGTGGGGGACATCGAGGACATCATCAAAACCATCATCTCAGCCATTCTGTTCTA
 CGCCACAACCTACCGAACCTGTTTCCCCAGTATCTGAATGGAGGTACATGTGCCTGTTTGAATCCTTG
 GTTTTGACATCTTGTGACCAACAAGTTGAAGCCCTGGCTGCTAGAGGTAACCACTCTCAAGCTTTAC
 CACGGAATCATGCCTTGATCAAGAAGTAAAGGATGCACTTCTCTGTGATGCTATGACCTTTGCAACCTC
 CGGGGCTGTGACAAAAGGAAGGTGATGGAGGAGGATAAGCGCGAGTCAAGGAACGGCTTTCCAGTGCT
 ACCGACAGCCACGAGAATCTAGGTGTGCTAGGTGTCTGGCATGTGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

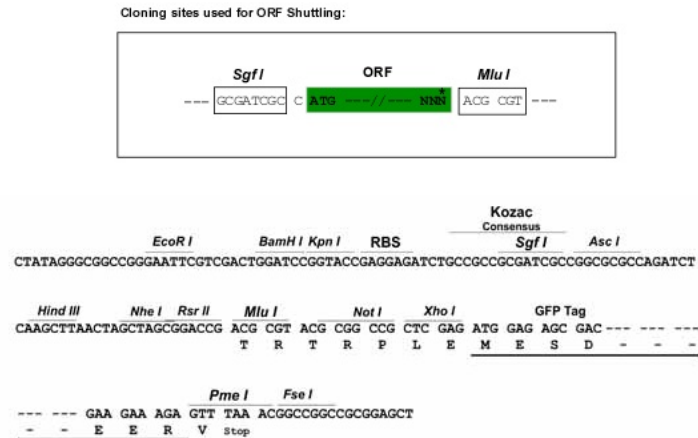
Protein Sequence: >RG223458 representing NM_001029964
 Red=Cloning site Green=Tags(s)

MEPSTCRTESEEDYVEEKESEKCVKEGVNPSNSSQQALLKADYKALKNGVPSPIMATKIPKKVIAPVD
 TGDLEAGRRKRRRRLAINLTNCKYESVRRAAQMCLKEVGEDEEWTLWTDCAVSLERVMDMKRFQK
 INHFPGMTEICRKDLLARNLNRMYKLYPSEYNIFPRTWCLPADYGDYQSYGRQRKARTYICKPDSGCQGR
 GIFITRNPREIKPGEHMICQYISKPLIDGFKFDMRVYVLTSCDPLRIFTYEGLARFATTPYMEPSH
 NNLDNVCMHLTNYAINKHNENFVRDGAAGSKRKLSTLNIWLQEHSYNPGELWGDIEDIIKIITISAHSVL
 RHNYRTCFPQYLNNGGTCACFEILGFDILLDHKLKPWLLEVNHSPSFTTDSCLDQEVKDALLCDAMTLVNL
 RGCDKRKVMEEDEKRRVKERLFQCYRQPRESRCARCLACV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001029964

ORF Size: 1377 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_001029964.2](#), [NP_001025135.2](#)

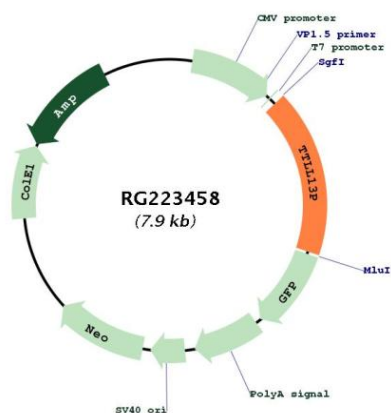
RefSeq Size: 1793 bp

RefSeq ORF: 1379 bp

Locus ID: 440307

Cytogenetics: 15q26.1

Product images:



Circular map for RG223458