

Product datasheet for **RG231985**

AF10 (MLLT10) (NM_001195630) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AF10 (MLLT10) (NM_001195630) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MLLT10
Synonyms: AF10
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231985 representing NM_001195630
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCTCTAGCGACCGCCCGTGTCACTGGAGGACGAGGTCTCCCATAGTATGAAGGAGATGATTGGAG
GCTGTTGCGTTTGTCTCAGACGAGAGAGGCTGGGCCGAGAACCCTGGTTTATTGCGACGGGCACGGCTG
CAGCGTCGCGGTGCATCAAGCTTGCTATGGCATTGTTCAAGTACCCACTGGACCGTGGTTTTGCAGGAAA
TGTGAATCTCAGGAGAGAGCAGCCAGAGTATGGTATGCAATTCCTGTTGGTTAGCCTCATCTGAAAACG
TCACTCCTGGATACATAGAACATCACTGCGCATGTGCATCTCCCACCCCGATGCCTGGTGTCTAACGT
TCCTCCAGTTTCTGGTGTCTGATGCATTGCTTTTGGGCTTGTCTTACTACAGCAGCTTTCTCGGTCTT
CAGTCATTTACCATTGTGCATATGCCTTTCTAGTTTCCAGGGATATTCTTTTTATATTTATGGCTTTA
TGCCATTTATCTCAGTTGTCAATTTGGCGTTTCAAGAAGGAGAGGTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231985 representing NM_001195630
Red=Cloning site Green=Tags(s)
MVSSDRPVSLDEVSHSMKEMIGCCVCSDERGWAENPLVYCDGHGCSVAVHQACYGIVQVPTGPWFCRK
CESQERAAARVMVCNSWLASSENVTPGYIEHHCACASPHPRCLVSNVPPVSGALMHCFWACLTTAAFFGP
QSFTTCHMSFLVSRDILFYIYGFMPFISVVIWRFKKERW

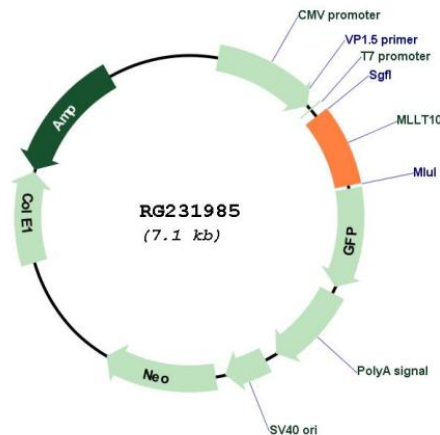
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001195630

ORF Size: 537 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:	<u>NM_001195630.1, NP_001182559.1</u>
RefSeq Size:	1148 bp
RefSeq ORF:	540 bp
Locus ID:	8028
UniProt ID:	<u>P55197</u>
Cytogenetics:	10p12.31
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene encodes a transcription factor and has been identified as a partner gene involved in several chromosomal rearrangements resulting in various leukemias. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2010]