

## Product datasheet for **RG231023**

### AF10 (MLLT10) (NM\_001195628) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** AF10 (MLLT10) (NM\_001195628) 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:** >RG231023 representing NM\_001195628  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTCTCTAGCGACCGCCCGTGTCACTGGAGGACGAGGTCTCCCATAGTATGAAGGAGATGATTGGAG  
GCTGTTGCGTTTCTCAGACGAGAGAGGCTGGGCCGAGAACCCTGGTTTATTGCGACGGGCACGGCTG  
CAGCGTCGCGGTGCATCAAGCTTGCTATGGCATTGTTCAAGTACCCACTGGACCGTGGTTTTGCAGGAAA  
TGTGAATCTCAGGAGAGAGCAGCCAGAGTGATGGTATGCAATTCCTGTTGGTTAGCCTCATCTGAAAACG  
TCACTCCTGGATACATAGAACATCACTGCGCATGTGCATCTCCCACCCCGATGCCTGGTGTCTAACGT  
TCCTCCAGTTTCTGGTGTCTGATGCATTGCTTTTGGGCTTGTCTTACTACAGCAGCTTTCTCGGTCTT  
CAGTCATTTACCCTTGTATATGTCCTTTCTAGTTTCCAGGGATATTCTTTTTATATTATGGCTTTA  
TGCCATTTATCTCAGTTGTCATTTGGCGTTTCAAGAAGGAGAGGTGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG231023 representing NM\_001195628  
Red=Cloning site Green=Tags(s)  
MVSSDRPVSLDEVSHSMKEMIGCCVCSDERGWAENPLVYCDGHGCSVAVHQACYGIVQVPTGPWFCRK  
CESQERAAARVMVCNSWLASSENVTPGYIEHHCACASPHRCLVSNVPPVSGALMHCFWACLTTAAFFGP  
QSFTTCHMSFLVSRDILFYIYGFMPFISVVIWRFKKER

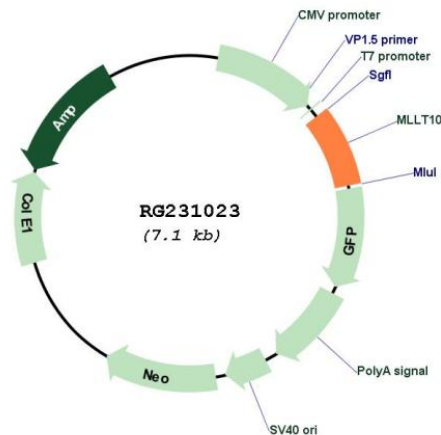
**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001195628

**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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001195628.1</a></u> , <u><a href="#">NP_001182557.1</a></u>
<b>RefSeq Size:</b>	1122 bp
<b>RefSeq ORF:</b>	540 bp
<b>Locus ID:</b>	8028
<b>UniProt ID:</b>	<u><a href="#">P55197</a></u>
<b>Cytogenetics:</b>	10p12.31
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	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]