

Product datasheet for **RG217295**

AF10 (MLLT10) (NM_004641) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AF10 (MLLT10) (NM_004641) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AF10
Synonyms:	AF10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217295 representing NM_004641 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCTCTAGCGACCGCCCGTGTCACTGGAGGACGAGGTCTCCCATAGTATGAAGGAGATGATTGGAG
GCTGTTGCGTTTGGCTCAGACGAGAGAGGCTGGGCCGAGAACCCTGGTTTATTGCGACGGGCACGGCTG
CAGCGTCGCGGTGCATCAAGCTTGCTATGGCATTGTTCAAGTACCCACTGGACCGTGGTTTTGCAGGAAA
TGTGAATCTCAGGAGAGAGCAGCCAGAGTGAGATGTGAACCTTTGTCCCATTAAGGATGGAGCTTTAAAAA
GAACAGATAATGGGGTTGGGCCATGTGGTTTGTGCCCTGTATATTCCAGAGGTACAATTTGCCAATGT
TTCCACAATGGAACCAATTGTTTTACAGTCTGTTCCGCATGATCGTTATAATAAGACTTGCTACATTTGT
GATGAACAAGGAAGAAAGCAAAGCAGCCACTGGTGCTTGCATGACATGTAATAAACATGGATGTCGAC
AGGCTTTCCATGTAACATGCGCTCAGTTTGCCGGACTGCTTTGTGAAGAAGAAGTAATGGTGCCGATAA
TGTCCAATACTGTGGCTACTGTAATACCATTTTGAAGCTGAAAAAGAGCAAACGGGGATCTAATAGG
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AATATAAGAGAAGGACAAACACAACAGAAACACAAGAAGCAGCCAGAACCATCACCTGCATTGGTTCC
ATCCTTGACTGTTACTACAGAAAAAATTTACAAGCACTAGCAACAACCTCTATATCTGGATCATTGAAG
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GAAAAGATGTTTCAGAGACTAGAGGGTCAGAGGGCAAAGGGAAGAAATCTTCAGCTCACAGCTCAGGTCA
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TCCTGAGCTTTACAGACTCAGATCTGCGTAATGACAGTACTCTCACTCCCAACAGTCATCAGCAACCAA
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GCCTTCTACAGCAGGATATAAGCGGGCTCAAACCTTCTGGCATAGAAGAAGAACTGTAAGGAAAAAGAA
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TCTCATCTCTCAGTTTCTTGCTTACCAACATCATCTGTAGCATCAGCTGCAGGAAGCATAACAAGCT
 CTAGTCTGCAGAAATCTCCTACATTGCTCAGGAATGGAAGTTTACAGAGCCTCAGTGTGGCTCATCTCC
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 GTGTCATCTGCAGCCCTGCTGTTGCTACAACCTCAGGCAAACTCTATCTGGATCTTCTCAGTCAGG
 CACCATCTCATATGTATGGCAATAGATCAAATTCATCAATGGCAGCTCTTATAGCTCAGTCTGAAAACAA
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 GGGTTATGCAGACTCCTGTCACAATGTCCAGAACCCCTACCCCTCACCACACAACCGTACCACCTAA
 TGCAACACATCCAATGCCAGCTACACTGACTAACAGTGCCTCAGGACTAGGATTACTTTCTGACCAGCAA
 CGACAAATACTTATTCATCAACAGCAGTTTTCAGCAGTTGTTAAATCTCAACAGCTCACACCAGTACACA
 GGCACCCCACTTCACACAGCTACCACCAACCCATTTCTACCATCCATGGAGATAATGCAAGTCAGAAA
 G

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG217295 representing NM_004641
 Red=Cloning site Green=Tags(s)

MVSSDRPVSLDEEVSHSMKEMIGCCVCSDERGWAENPLVYCDGHGCSVAHVHQCAYGIVQVPTGPWF CRK
 CESQERAAVRCELCPHKD GALKR TDNGGWAHVVCALYIPEVQFANVSTMEPIVLQSVPHDRYKTCYIC
 DEQGRESKAATGACMTCNKHGCRQAFHVTC AQFAGLLCEEEGNGADNVQYCYCKYHFSKLLKSKRGSNR
 SYDQSLSDSSSHSQDKHHEKEKKYKEKDKHKQKHKKQPEPSPALVPSLTVTTEKTYTSTSNNSISGSLK
 RLEDTTARFTNANFQEVSAHTSSGKDVSETRGSEGKGGKSSAHSSGQRGRKPGGGRNPGTTVSAASFPFQ
 GFSFGTPGSVKSSSGSSVQSPQDFLSFTDSDLRNDYSYSHSQSSATKDVHKGESGSEGGVNSFSTLIGL
 PSTSAVTSQPKSFENSPGDLGNSSLPTAGYKRAQTSGIEEETVKEKKRKGKQSKHGPGRPKGNKNQENV
 SHLSVSSASPTSSVASAAGSITSSSLQKSPTLLRNGSLQSLSVGSSPVGSEISMQYRHDGACPTTTSEL
 LNAIHNRDGSSTLTKQELKFIGIYNSNDVAVSFPNVVSGSGSSTPVSSSHLPQQSSGHLQQV GALSPSA
 VSSAAPAVATTQANTLSGSSLSQAPSHMYGNRSNSMAALIAQSENNTDQDLGDNSRNLVGRGSSPRGS
 LSPRSPVSSLQIRYDQPGNSSLENLPPVAASIEQLLERQWSEGGQFLLEQGTPSDILGMLKSLHQLQVEN
 RRLEEQIKNLTAKKERLQLLNAQLSVPFPTITANPSPSHQIHTFSAQTAPTTDSLNSSKSPHIGNSFLPD
 NSLPVLNQDLTSSGQSTSSSSALSTPPPAGQSPAQQGSGVSGVQVNGVTVGALASGMQPVSTIPAVSA
 VGGIIGALPGNQLAINGIVGALNGVMQTPVTMSQNPTPLTHTTVPPNATHPMPATLTNSASGLLLSDQQ
 RQILIHQQQFQQLLNSQQLTPVHRHPHFTQLPPTHFSPSMEIMQVRK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_004641

ORF Size: 3081 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.

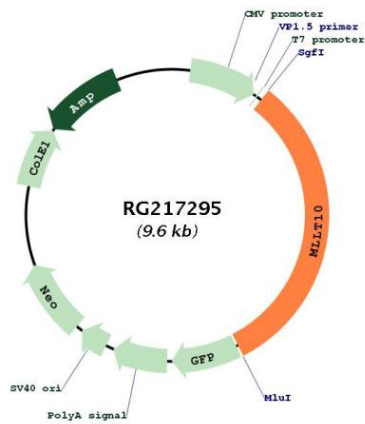
RefSeq: [NM_004641.3](#)

RefSeq Size: 5140 bp

RefSeq ORF: 3084 bp

Locus ID: 8028
UniProt ID: [P55197](#)
Cytogenetics: 10p12.31
Domains: PHD
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]

Product images:



Circular map for RG217295