

Product datasheet for **RG216754**

MLLT1 (NM_005934) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MLLT1 (NM_005934) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MLLT1
Synonyms:	ENL; LTG19; YEATS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG216754 representing NM_005934
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACAATCAGTGCACCGTCCAGGTGAGGTTAGAGCTGGGGCATCGCGCCCAACTGCGCAAGAAGCCCA
 CCACGGAGGGGTTCACTCACGACTGGATGGTGTGTTGTCCGCGGCCCGAGCAATGTGACATCCAGCACTT
 CGTGAGAGAAGGTGTTCTCTGGCTGCACGACAGCTTCCCAAGCCAGACGCGTGTGCAAGGAGCCCCC
 TACAAAGTAGAGGAGTCGGGTACGCTGGCTTCATCATGCCATCGAGGTGCACTTAAAAACAAGGAGG
 AGCCGAGGAAGGTCTGCTTACCTACGACCTGTTCTGAACCTGGAAGGCAACCCGCCGTGAACCACT
 GCGCTGCGAGAAGCTCACCTTCAACAACCCACCACGGAGTTCGGGTACAAGCTCCTGCGGGCCGGCGGG
 GTGATGGTAATGCCGAAGGAGCAGACAGGTGTCCAGGCCAGTCCGACTACCCCATGTTACCCACAA
 TTCCACTCTCTGCCTTCTCTGACCCCAAGAAGACCAACCATCCACGGCTCCAAGGACGCCAACAAAGGA
 GAGCAGCAAGACCTCAAGCCACACAAGGTGACCAAGGAGCACCGGGAGCGGCCCGCAAAGACTCCGAG
 AGCAAGAGCTCCTCAAGGAGCTGGAGCGTGAGCAGGCCAAAAGCTCCAAGGACACCTCGCGGAAGCTGG
 GCGAGGGCCGGCTGCCAAGGAGGAGAAGGCGCCACCGCCCAAGGCTGCCTTCAAGGAACCCAAGATGGC
 CCTGAAAGAGACCAAGCTGGAAGCACGTCCCCAAGGGTGGGCCCCACCCCAACCCCAACCCCAACCC
 CGGGCTTCAGCAAGCGGCCGCCACCGCCGACTCGCCAAAGCCAGCGCCAAGAAGCAGAAGAAGAGCA
 GCTCGAAGGGGTCCCGGAGTGCTCCAGGCACCTCGCCCCGACCTCCTCCTCCTCCTCCTCCTCGGACAA
 GAAGCCGCCAAGGACAAGAGCAGCACCAGAGGGGAGAAGGTGAAGGCCGAGAGTGAGCCCCGGGAGGCC
 AAAAAGGCCCTGGAGGTGGAGGAGTCCAAGTCAAGGACGAGGCTCCTTCAAGTCCGAGTCTGCCAGT
 CAAGCCCGTCCAAGTCCAGCTCCAGCTCAGACTCCAGCTCAGACTCAGACTTCGAGCCATCCAGAACCA
 CAGCCAAGGACCCCTGCGCTCCATGGTGAGGACCTGCAGTCCGAGGAGTCCGACGAGGACGACTCTTCG
 TCAGGCGAGGAGGCTGCCGGCAAGACCAACCCGGGGAGGACTCCAGGTTGAGCTTCAGCGACAGCGAGA
 GTGACAACAGCGCGGACTCCTCCTGCCAGCGTGAGCCCCACCCCAAGGCCACCCCGGCCAA
 CAGCAAGGTGTGAGGCCGAGGAGCCCCGAGTCTGCAGCAAGCCTGAGAAGATCCTCAAGAAGGGCACC
 TACGACAAGGCCTACACGGATGAGCTGGTGAGCTACCCGGAGGCTGATGGCGCTGCGGGAGCGCAACG
 TGCTGCAGCAGATTGTGAATCTGATCGAGGAGACTGGCCACTTCAATGTCACCAACACCACCTTCGACTT
 CGACCTCTTCCCTGGACGAGACCACCGTGCGCAAACTGCAGAGCTGCCTGGAGGCCGTGGCCACA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG216754 representing NM_005934
 Red=Cloning site Green=Tags(s)

MDNQCTVQVRLELGHRAQLRKKPTTEGFTHDWMVFVRGPEQCDIQHFVEKVVFVWLHDSFPKPRRVCKEPP
 YKVEESGYAGFIMPIEVHFKNKEPRKVCFTYDLFLNLEGNPPVNLHRCLEKLTFFNNPTTEFRYKLLRAGG
 VMVMEGADTVSRSPDYPMLPTIPLSAFSDPKTKPSHGSKDANKESSKTSKPHKVTKHRERPRKDSE
 SKSSSKELEREQAKSSKDTSRKLGEGLPKEEKAPPPKAAPKEPKMALKETKLESTSPKGGPPPPPPPP
 RASSKRPATADSPKPSAKKQKSSSKGSRAPGTSPTSSSSSFSDKKPAKDKSSTRGEKVKAESPREA
 KKALEVEESNSEDEAFKSESAQSSPSNSSSSSDSDSFPSQNHQSQGPLRSMVEDLQSESDDEDDSS
 SGEEAAGKTNPGRDSRLSFSDSESDNSADSLPSREPPPPQKPPPNKSVSGRRSPESCSKPEKILKKG
 YDKAYTDELVELHRRMLALRERNVLQQIVNLIETGHNVTNTTFDFDLFSLDETTVRKLQSCLEAVAT

SGP**TRTRRLE** - GFP Tag - V

Restriction Sites:

SgfI-RsrII

Cloning Scheme:


ACCN: NM_005934

ORF Size: 1677 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_005934.4](#)

RefSeq Size: 1974 bp

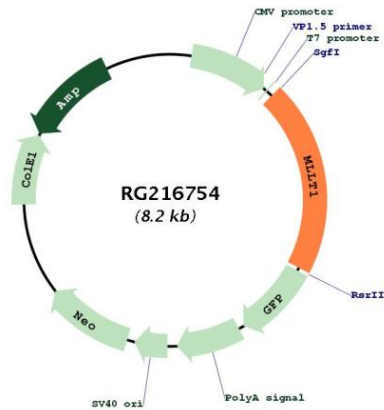
RefSeq ORF: 1680 bp

Locus ID: 4298

UniProt ID: [Q03111](#)

Cytogenetics:	19p13.3
Domains:	YEATS
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	Component of the super elongation complex (SEC), a complex required to increase the catalytic rate of RNA polymerase II transcription by suppressing transient pausing by the polymerase at multiple sites along the DNA.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG216754