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Product datasheet for SC115871

MLLT11 (NM_006818) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MLLT11 (NM_006818) Human Untagged Clone
Tag:	Tag Free
Symbol:	MLLT11
Synonyms:	AF1Q
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115871 sequence for NM_006818 edited (data generated by NextGen Sequencing) ATGAGGGACCCTGTGAGTAGCCAGTACAGTTCCTTTCTTTTCTGGAGGATGCCCATCCCA GAACTGGATCTGTCGGAGCTGGAAGGCCTGGGTCTGTCAGATACAGCCACCTACAAGGTC AAAGACAGCAGCGTTGGCAAAATGATCGGGCAAGCAACTGCAGCAGACCAGGAGAAAAAC CCTGAAGGTGATGGCCTCCTTGAGTACAGCACCTTCAACTTCTGGAGAGCTCCCATTGCC AGCATCCACTCCTTCGAACTGGACTTGCTCTAA Clone variation with respect to NM_006818.3
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006818 unedited TGTAATACGACTCACTATAGGGCGGCCCGCGATTCGGCACGAGGCTTCCCTCAGTGTTCT GGAACCTATCATTTGAATTAGCCGAGTCAGGCAGGAGGGGGCGGGGAATCCTTCCGCCCT TCTTAGGAGGGGCTGCATTGCAGGGGGAGAGTGAACTGACAGACTCAGTCACTGAAGAGG GAAAAGGAGTGAGAAGACAAAGCCGTCAAAGCCCCAACAGCTTTGTATTTCTCCAGCCCG GCGCAGACCCCGGAGCTCCCGAGGCACTCCCTCCATCTTTGGAACACGCCAGTAATTGAT TGATAACAGGAAGCTATGAGGGACCCTGTGAGTAGCCAGTACAGTTCCTTTCTTTTCTGG AGGATGCCCATCCCAGAACTGGATCTGTCGGAGCTGGAAGGCCTGGGTCTGTCAGATACA GCCACCTACAAGGTCAAAGACAGCAGCGTTGGCAAAATGATCGGGCAAGCAACTGCAGCA GACCAGGAGAAAAACCCTGAAGGTGATGGCCTCCTTGAGTACAGCACCTTCAACTTCTGG AGAGCTCCCATTGCCAGCATCCACTCCTTCGAACTGGACTTGCTCTAAGGCCAAGACTTC TCTCTCCCATCACCTTGCCCTCATTGTCTTCCCTCTCAAGCCCCTTCCTTTCCACTCCTT TCCCATTNTAATCTTGTTCTCTCCCTACTGTGTTGGTGGTGCTGATGAATCTGCCAGAAG TTGAGTCTATGGATTTATTTATCTATCTGGCTACTCCATTTCTCTCAAAGCCCTCCAGTC ACAAAGTANATGGTTCAAGCAATGGAGTACTGGGTCACAGGGNATTCTTCTTTTCCCCCC CAATATTAACTNCAGAAACTANGGCTGACTGNGGGACACCTGAANAGTAATTTAGTAGTG GCAAATGGGAAGACTGATTTTTGACTCTATATAATCAC

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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006818 unedited
CACCGCGGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTGGGATTGAATGTCTT
TATTAAATAAACGAGTAAATGGTAGCACAAATCACCATCAATATTTTTGGAAGGATTGGG
GACAAGATGTCGAGTCAGAATATAATTGTTCATTTCAGGGTCTCAATGTAGCTGAAGAAC
TGTGCCCACTGATCAGTATTACGTATTGCAAATGCAGGAGGTAAGGCTAAAATAGGACTT
ATGCCGTTCAAAAGATTGAATTGAAACCTTAAAAACTATCATAATAGTAGGAATGCATGT
TAACATTTGATAACTTTCTTTAGCTAGAGTTTTCAACCCACAGTTAGGAGCAAAGTTGTA
AAGTGAGTACGTGTGAAGAAGGGACACTCTTTTGAGAAAAGAAATTAGCTACCTTCTAAA
ATGATTCAATTATTTTCCCTATTTTCATTTTCCATAATATTTCCTCCTGTTTTATACCTC
TAACTACCCTCCTGATTTCTCTGAGGAACAAAAAGAATATCAGAGCATGATCACAAAAAA
GCAAGACACTTATCACTTTTACCCTTTTAAAAATACTGTTTTGTACCAAATAACCTCAAA
CTAAAACTTCCCGAGGTTTCATCACCCCTTGCAAAACCATGTGCGTCTACCTGCCCTGGA
GCACGAAATTACGAAAGCTTAAGGAATCTCTGAACCTGATTATTAAACAGATAAAAAAAT
CCTCTTTCATTTTGGCACTACTATTACTACTCTTCAGGGGTCCCCACCCAAGCCCTACTC
CCTGGACCTTATATTCTGGGGCGAAAAGGAGAATTCCTGGGACCCATTCTCCATGGTTGA
ACCCTTACTTGTGACTGGGGGCCTTTCAAGACTTGCGCACACCCCTCCCCTCCTTTCCTC
CACCCTCCTCTGCCCATTACCAGC

Restriction Sites: NotI-NotI

ACCN: NM_006818

Insert Size: 1680 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_006818.3, NP_006809.1

RefSeq Size: 2180 bp

RefSeq ORF: 273 bp

Locus ID: 10962

UniProt ID: Q13015

Cytogenetics: 1q21.3

Gene Summary: The gene variously symbolized ALL1, HRX, or MLL located on 11q23 has been demonstrated to be fused with a number of translocation partners in cases of leukemia. t(1;11)(q21;q23) translocations that fused the MLL gene to a gene on chromosomal band 1q21 in 2 infants with acute myelomonocytic leukemia have been demonstrated. The N-terminal portion of the MLL gene is critical for leukemogenesis in translocations involving band 11q23. This gene encodes 90 amino acids. It was found to be highly expressed in the thymus but not in peripheral lymphoid tissues. In contrast to its restricted distribution in normal hematopoietic tissue, this gene was expressed in all leukemic cell lines tested. [provided by RefSeq, Jul 2008]