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Product datasheet for RC205165

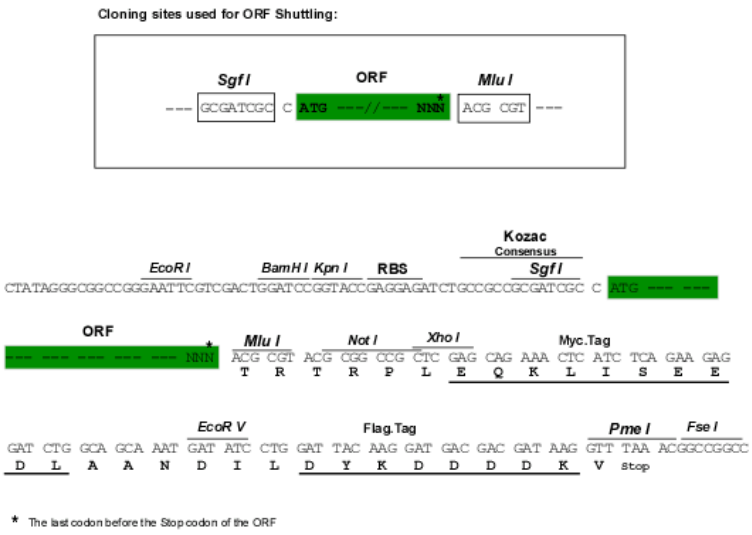
MLLT11 (NM_006818) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MLLT11 (NM_006818) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MLLT11
Synonyms:	AF1Q
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205165 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGGGACCCTGTGAGTAGCCAGTACAGTTCCTTTCTTTTCTGGAGGATGCCCATCCCAGAACTGGATC TGTCGGAGCTGGAAGGCCTGGGTCTGTCAGATACAGCCACCTACAAGGTCAAAGACAGCAGCGTTGGCAA AATGATCGGGCAAGCAACTGCAGCAGACCAGGAGAAAAACCCTGAAGGTGATGGCCTCCTTGAGTACAGC ACCTTCAACTTCTGGAGAGCTCCCATTGCCAGCATCCACTCCTTCGAACTGGACTTGCTC ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC205165 protein sequence Red=Cloning site Green=Tags(s) MRDPVSSQYSSFLFWRMPIPELDLSELEGLGLSDTATYKVKDSSVGKMIGQATAADQEKNPEGDGLLEYS TFNFWRAPIASIHSFELDLL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6368_b01.zip
Restriction Sites:	SgfI-MluI

View online »

Cloning Scheme:



ACCN:	NM_006818
ORF Size:	270 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_006818.4
RefSeq Size:	2180 bp
RefSeq ORF:	273 bp
Locus ID:	10962

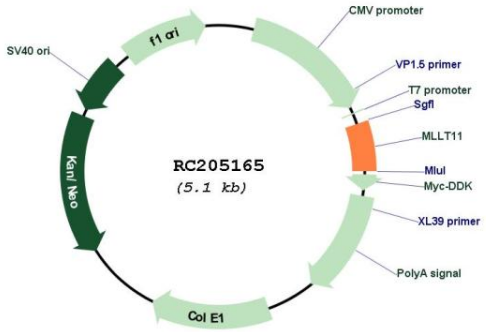
UniProt ID: Q13015

Cytogenetics: 1q21.3

MW: 10.1 kDa

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]

Product images:



Circular map for RC205165