

Product datasheet for **SC324825**

Myeloid leukemia factor 1 (MLF1) (NM_001130156) Human Untagged Clone

Product data:

| | |
|----------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Myeloid leukemia factor 1 (MLF1) (NM_001130156) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | MLF1 |
| Vector: | <u>pCMV6 series</u> |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_001130156, the custom clone sequence may differ by one or more nucleotides ATGCGACAGATGATAAGAAGTTTTCTGAACCCTTTGGAAGAGACTTGCTCAGTATCTCT GATGGTAGAGGGAGAGCTCATAATCGTAGAGGACATAATGATGGTGAAGATTCTTTGACT CATACAGATGTCAGCTCTTTCCAGACAATGGACCAAATGGTGTCAAATATGAGAACTAT ATGCAGAAATTAGAAAGAACTTCGGTCAACTTTCAGTGGATCCAAATGGACATTCATTT TGTTCTTCCTCAGTTATGACTTATCCAAAATAGGAGATGAACCGCCAAAGGTTTTTCAG GCCTCAACTCAAACGTCGAGCTCCAGGAGGAATAAAGGAAACCAGGAAAGCAATGAGA GATTCTGACAGTGGACTAGAAAAATGGCTATTGGTCATCATATCCATGACCGAGCTCAT GTCATTA AAAAGTCAAAGAACAAGAAGACTGGAGATGAAGAGGTC AACCGAGGATTCATC AATATGAATGAAAGTGATGCTCATGCTTTTGATGAGGAGTGGCAAAGTGAGGTTTTGAAG TACAAACCAGGACGACACAATCTAGGAAACACTAGAATGAGAAGTGTGGCCATGAGAAT CCTGGCTCCCAGAACTAAAAGAAGGGAGAAACCTCAACAAAGTCCAGCCATTGAACAT GGAAGGAGATCAAATGTTTTGGGGGACAACTCCACATCAAAGGCTCATCTGTGAAAAGC AACAAAAA |
| Restriction Sites: | Please inquire |
| ACCN: | NM_001130156 |
| Insert Size: | 2263 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). |
| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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). |



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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_001130156.1](#), [NP_001123628.1](#)

RefSeq Size: 2263 bp

RefSeq ORF: 732 bp

Locus ID: 4291

UniProt ID: [P58340](#)

Cytogenetics: 3q25.32

Protein Families: Druggable Genome

Gene Summary: This gene encodes an oncoprotein which is thought to play a role in the phenotypic determination of hemopoetic cells. Translocations between this gene and nucleophosmin have been associated with myelodysplastic syndrome and acute myeloid leukemia. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2010]

Transcript Variant: This variant (3) differs in the 5' UTR and has multiple differences in the coding region, but maintains the reading frame compared to variant 4. This variant encodes isoform 2, which is shorter than isoform 3. Variants 2, 3 and 10 encode the same isoform (2).