

Product datasheet for SC319104

LYL1 (NM_005583) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LYL1 (NM_005583) Human Untagged Clone
Tag:	Tag Free
Symbol:	LYL1
Synonyms:	bHLHa18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005583.3
CAGCCTGGCCCTTATCTGCACTGGGCCAGCATCCTCCGGCCGCTGCGCCGCCAGGGGTGA
GAGGGAGGAAACCGGGCCCGGGGGGAGAGAAGCGGGCCGGCCCGGAGCCGCTCA
CTTCCCTGGGGGGACCTACGCGGAGACCTCGGCTATCCTGGCCTTCCGAGGCCACGA
GGAGGCGCGGCCAACGCGGGGCTGGAGCATTGAGGCCGACCTCGCGAGACAGCAG
AGCCTGGCCTGACGCTGGAACCACACCCTGGCCAGACTGCCAGCCTGACGGGACAGA
GCCAGGGCACTACCAGGCTGCAAGAACAGTGCTGGGGTGAAGTACCCACGTCGGGGT
CATGTGCCCGCTCAGGCACAGGAGGTGGGCCCCACCATGACTGAGAAGGCAGAGAT
GGTGTGTGCCCGCTCAGGCACAGGAGGTGGGCCCCACCATGACTGAGAAGGCAGAGAT
GGTGTGTGCCCGCTCAGGCACAGGAGGTGGGCCCCACCATGACTGAGAAGGCAGAGAT
GCAGGTGGAGGAGGTGGGCCACCGAGGAGGCTCCTCGCCCCCAGGCTGCCACCTGGTGT
ACCAGTGATCAGCCTGGGCCACAGCAGGCCCCAGGGGTAGCCATGCCACCACAGAGCT
GGGCACTCTGCGGCCCGCTGCTGCAACTCTCCACCCTGGGAAGTGCCTCGCCGCTTT
GGCCCTGCACTACCACCTCACCCCTTCTCAACAGTGTCTACATTGGGCCAGCAGGACC
TTTTAGCATCTTCCCTAGCAGCCGTTGAAGCGGAGACCAAGCCACTGTGAGCTGGACCT
GGCTGAGGGGCACCAGCCCCAGAAGGTGGCCCGGCGCGTGTTCACCAACAGCCGGGAGCG
CTGGCGGCAGCAGAACGTTAACGGCGCCTTCGCCGAGCTGAGGAAGTGTGCCGACGCA
CCCGCCGACCGGAAGCTGAGCAAGAACGAGGTGCTCCGCTAGCCATGAAGTACATCGG
CTTCTGGTGGGCTGCTGCGGACCAAGCCGAGCTCTGGCCGACGGCCCGGGGATCCGG
CGGGCTCGCAAACGGCCGGTGCACCGGGTCCCAGACGACGGCCCGCCCGGGGATCCGG
ACGCAGGGCCGAGCGGCGAGCGCCTCGCAGCCCGCCCGGGCCGACCCGACGGCAG
CCCGGTGGAGCGGCCCGGCCATCAAGATGGAGCAAACCGCTTTGAGCCAGAGGTGCG
GTGACCGCACGGCAGCACCTCTGAGCCGGAGGGCACCAGGACTCGGCCAGGGCCGT
CAAGGAAAGGGCAGTGGACGTGCTGCGCATGTTCCGGGAGCGAACTCCCCGAAGAAGGAC
CAGTGAAGACGTCAGGGCAAGGTCTCGGGGTCCGGAAGGTGATCATCGACCCCAAG
GGACCCGACAGCCCTTAAAAAATCACCCACAACCCTCTGGAAGTGGCCTTGCCCGGTCC
CCTTCCAGGGGCGAGGTGCGCAAAGCAACATGGCAGAGCAGTCATAGGAAAAAAAAAAAA
AAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_005583
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).
Reconstitution Method:	<ol style="list-style-type: none">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_005583.3 , NP_005574.2
RefSeq Size:	1510 bp
RefSeq ORF:	843 bp
Locus ID:	4066
UniProt ID:	P12980
Cytogenetics:	19p13.13
Domains:	HLH
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene represents a basic helix-loop-helix transcription factor. The encoded protein may play roles in blood vessel maturation and hematopoiesis. A translocation between this locus and the T cell receptor beta locus (GeneID 6957) on chromosome 7 has been associated with acute lymphoblastic leukemia. [provided by RefSeq, Sep 2010]