

Product datasheet for **SC320034**

YL1 (VPS72) (NM_005997) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YL1 (VPS72) (NM_005997) Human Untagged Clone
Tag:	Tag Free
Symbol:	YL1
Synonyms:	CFL1; Swc2; TCFL1; YL-1; YL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005997.1
 GGCTGCAGGTGGCGGCGCAGTCTCGGTAGGCGGTATGAGTTTGGCTGGGGCCGGGCACC
 CCGGAAGACCGCTGGGAACCGCTTTCTGGCTTTTGGAGGCAGAGGAGGAAGATGAGTT
 CTACCAGACGACTTATGGGGTTTACAGAGGAATCCGGAGATGATGAGTATCAAGGGGA
 CCAGTCAGACACAGAGGACGAAGTGGACTCTGACTTTGACATTGATGAAGGGGATGAACC
 ATCCAGTGATGGAGAAGCAGAAGAGCCAAGAAGGAAGCGCCGAGTAGTCACCAAGGCCTA
 TAAGGAACCTCTCAAGAGCTTAAGGCCTCGAAAGGTCAACACCCCGGCTGGTAGCTCTCA
 GAAGGCGCGAGAAGAGAAGGCACTACTGCCATTAGAACTACAAGATGACGGCTCTGACAG
 TCGGAAGTCTATGCGTCAGTCTACAGCTGAGCATAACACGACAAACGTTTCTTCGGGTACA
 GGAGAGGCAGGGCCAGTCAAGACGGCGAAAGGGGCCCACTGTGAGCGGCCACTAACCA
 GGAGGAAGTCTCCGGGAGGCCAAGATCACAGAAGAGCTTAATTTACGGTCACTGGAGAC
 ATATGAGCGGCTCGAGGCTGATAAAAAGAAGCAGGTTTATAAGAAGCGGAAGTGCCCGG
 GCCATAATCACCTATCATTTCAGTGACAGTGCCACTTGTGGGGAGCCAGGCCCAAGGA
 AGAGAAGGTTGACATAGAAGGACTTGATCCTGCTCCCTCGGTGTCTGCATTGACTCCTCA
 TGCTGGGACTGGACCCGTCAACCCCTGCTCGCTGCTCACGTACCTTCATCACTTTTAG
 TGATGATGCAACTTTCGAGGAATGGTCCCAAGGGCGGCCCAAAAGTCCCTGTTTCG
 TGAGGTCTGTCCAGTGACCCATCGTCCAGCCCTATACGGGACCTGTTACAGACATACC
 CTATGCCACTGCTCGAGCCTTCAAGATCATTCTGAGGCTTACAAGAAGTACATTACTGC
 CCATGGACTGCCCCCACTGCCCTCAGCCCTGGGCCCGGCCCACTCCTGAGCCCT
 CCTGGCTCTGGGCCCGAGCCTTGCAGCAAAAATTGTCAATTAATGAAGAGATGTCTA
 GTCCTCAGAAACTTTCTTCTGCTGATTGGGGCTTGTCTGTTCCGTTTCTTCTCCCT
 GCTTCTCCCTTTGTCATCTCTGATCTTTCCTAATCTGTTTCTTTTCTTTTCCCTA
 GTTCTTACAGTTTTCGTTGTGTTTTTAAATCTAATAAAAATAGAAAGATCAAAAAAAAAA
 AAAAAAAAAAAAAA

Restriction Sites: Please inquire



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ACCN:	NM_005997
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:	<u>NM_005997.1</u> , <u>NP_005988.1</u>
RefSeq Size:	1324 bp
RefSeq ORF:	1095 bp
Locus ID:	6944
UniProt ID:	<u>Q15906</u>
Cytogenetics:	1q21.3
Protein Families:	Transcription Factors
Gene Summary:	<p>The protein encoded by this gene is a shared subunit of two multi-component complexes, the histone acetyltransferase complex TRRAP/TIP60 as well as the chromatin remodeling SRCAP-containing complex. The TRRAP/TIP60 complex acetylates nucleosomal histones important for transcriptional regulation, double strand DNA break repair and apoptosis. The SRCAP-containing complex catalyzes the exchange of histone H2A with the histone variant Htz1 (H2AFZ) into nucleosomes. This protein may be responsible for binding H2AFZ, which has a role in chromosome segregation. This protein may also have a role in regulating long-term hematopoietic stem cell activity. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Aug 2012]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.</p>