

## Product datasheet for **SC330923**

### YL1 (VPS72) (NM\_001271087) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** YL1 (VPS72) (NM\_001271087) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** YL1  
**Synonyms:** CFL1; Swc2; TCFL1; YL-1; YL1  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330923 representing NM\_001271087.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAGTTTGGCTGGGGCCGGGCACCCCGAAGACCGCTGGGAACCGGCTTTCTGGGCTTTTGGAGGCA
GAGGAGGAAGATGAGTTCTACCAGACGACTTATGGGGTTCACAGAGGAATCCGGAGATGATGAGTAT
CAAGGGGACCAGTCAGACACAGAGGACGAAGTGGACTCTGACTTTGACATTGATGAAGGGGATGAACCA
TCCAGTGATGGAGAAGCAGAAGAGCCAAGAAGGAAGCGCCGAGTAGTCACCAAGGCCTATAAGGAACCT
CTCAAGAGCTTAAGGCCTCGAAAGGTCAACACCCCGGCTGGTAGCTCTCAGAAGGCGCGAGAAGAGAAG
GCACTACTGCCATTAGAACTACAAGATGACGGCTCTGACAGTCGGAAGTCTATGCGTCAGCTACAGCT
GAGCATACACGACAAACGTTTCCTTCGGGTACAGGAGAGGCAGGGCCAGTCAAGACGGCGAAAGGGGCC
CACTGTGAGCGGCCACTAACCCAGGAGGAACTGCTCCGGGAGGCCAAGATCACAGAAGAGCTTAATTTA
CGGTCACTGGAGACATATGAGCGGCTCGAGGCTGATAAAAAGAAGCAGGTTATAAGAAGCGGAAGTGC
CCCGGGCCATAATCACCTATCATTCAAGTACAGTGCCACTTGTTGGGGAGCCAGGCCCAAGGAAGAG
AACGTTGACATAGAAGGCTCTTTGTGTTTTTCTTGTCTTTTGTCTCAGACTTGATCCTGCTCCCTCG
GTGCTGCATTGACTCCTCATGCTGGGACTGGACCCGTCACCCCGCTGCTCGCTGCTCACGTACCTTC
ATCACTTTTAGTGATGATGCAACTTTTCGAGGAATGGTTCACCAAGGGCGGCCCAAAAGTCCCTGTT
CGTGAGGCTGTCCAGTGACCCATCGTCCAGCCCTATACCGGGACCCTGTTACAGACATACCCATGCCC
ACTGCTCGAGCCTCAAGATCATTGCTGAGGCTTACAAGAAGTACATTACTGCCCATGGACTGCCGCC
ACTGCCTCAGCCCTGGGCCCGGCCCGCCACCTCCTGAGCCCTCCCTGGCTCTGGGCCCGAGCCTTG
CGCCAGAAAATTGCATTAATGA
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271087  
**Insert Size:** 1128 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).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001271087.1</u>
<b>RefSeq Size:</b>	1579 bp
<b>RefSeq ORF:</b>	1128 bp
<b>Locus ID:</b>	6944
<b>UniProt ID:</b>	<u>Q15906</u>
<b>Cytogenetics:</b>	1q21.3
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	41.8 kDa
<b>Gene Summary:</b>	<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 (1) represents the longest transcript and encodes the longest isoform (1).</p>