

Product datasheet for **SC334400**

YL1 (VPS72) (NM_001271088) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YL1 (VPS72) (NM_001271088) Human Untagged Clone
Tag:	Tag Free
Symbol:	YL1
Synonyms:	CFL1; Swc2; TCFL1; YL-1; YL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001271088, the custom clone sequence may differ by one or more nucleotides

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ATGAGTTTGGCTGGGGCCGGGCACCCCGAAGACCGCTGGGAACCGGCTTTCTGGGCTTTTGGAGGCAG
AGGAGGAAGATGAGTTCTACCAGACGACTTATGGGGTTTACAGAGGAATCCGGAGATGATGAGTATCA
AGGGGACCAGTCAGACACAGAGGACGAAGTGGACTCTGACTTTGACATTGATGAAGGGATGAACCATCC
AGTGATGGAGAAGCAGAAGAGCCAAGAAGGAAGCGCCGAGTAGTCACCAAGGCCTATAAGGAACCTCTCA
AGAGCTTAAGGCCTCGAAAGGTCAACACCCCGGCTGGTAGCTCTCAGAAGGCGGAGAAGAGAAGGCACT
ACTGCCATTAGAACTACAAGATGACGGCTCTGACAGTCGGAAGTCTATGCGTCAGTCTACAGCTGAGCAT
ACACGACAAACGTTCCCTTCGGGTACAGGAGAGGCAGGGCCAGTCAAGACGGCGAAAGGGCCCCACTGTG
AGCGGCCACTAACCCAGGAGGAACTGCTCCGGGAGGCCAAGATCACAGAAGAGCTTAATTTACGGTCACT
GGAGACATATGAGGCGGCCCCCAAAAGTCCCTGTTCTGTA
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001271088
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).
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_001271088.1](#), [NP_001258017.1](#)

RefSeq Size: 1262 bp

RefSeq ORF: 600 bp

Locus ID: 6944

Cytogenetics: 1q21.3

Protein Families: Transcription Factors

Gene Summary: 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]

Transcript Variant: This variant (3) uses two alternate splice sites in the 3' coding region that result in a frameshift, compared to variant 1. The resulting protein (isoform 3) has a distinct C-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. COMPLETENESS: complete on the 3' end.