

## Product datasheet for **SC322201**

### ELP3 (NM\_018091) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ELP3 (NM_018091) Human Untagged Clone
Tag:	Tag Free
Symbol:	ELP3
Synonyms:	KAT9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_018091 edited  
 ATTTTTATCTCTGGTGGCTCTGCTACGGCGGCGCAGAAATGAGGCAGAAGCGGAAAGGAG  
 ATCTCAGCCCTGCTGAGCTGATGATGCTGACTATAGGAGATGTTATTAACAACCTGATTG  
 AAGCCCACGAGCAGGGGAAAGACATCGATCTAAATAAGGTGAAAACCAAGACAGCTGCCA  
 AATATGGCCTTTCTGCCAGCCCCGCTGGTGGATATCATTGCTGCCGTCCCTCCTCAGT  
 ATCGCAAAGTCTTGATGCCAAAGTTAAAGGCGAAAACCCATCAGAACTGCTAGTGGGATTG  
 CTGTCGTGGCTGTGATGTGCAAACCCACAGATGTCCACACATCAGTTTTACAGGAAATA  
 TATGTGTATACTGCCCTGGTGGACCTGATTCTGATTTTGAGTATTCCACCCAGTCTTACA  
 CTGGCTATGAGCCAACCTCCATGAGAGCTATCCGTGCCAGATATGACCCTTTCCTACAGA  
 CAAGACACCGAATAGAACAGTTAAAACAACCTGGTCATAGTGTGGATAAAGTGGAGTTTA  
 TTGTGATGGTGGAAACGTTTATGGCCCTCCAGAAGAATACAGAGATTATTTTATTCGAA  
 ATTTACATGATGCCTTATCAGGACATACTCCAACAATATTTACGAGGCAGTCAAGTATT  
 CTGAGAGAAGCCTCACAAAGTGTATTGGAATTACTATTGAAACCAGACCAGATTACTGCA  
 TGAAGCGACATTTAAGTGACATGTTGACCTATGGCTGCACAAGGCTGGAGATTGGGGTGC  
 AGAGTGTTTATGAAGATGTGGCTAGAGACACCAACAGGGGCCACACTGTGAAGGCAGTGT  
 GTGAGTCAATTCACCTGGCCAAAGATTCCGGTTTTAAAGTGGTGGCCCATATGATGCCTG  
 ACCTGCCAAACGTGGGACTAGAAAGAGACATTGAACAGTTCACAGAGTTTTTTGAGAACC  
 CTGCTTTTCGTCCCGATGGGCTGAAACTCTATCCTACCCTGGTATTCTGTGGACCGGGC  
 TTTATGAGCTTTGGAAATCAGGAAGATATAAGAGTTACTCTCCTAGTGACCTGGTTGAAT  
 TGGTGGCTCGGATCCTAGCCCTCGTGCCTCCATGGACTCGAGTGTACCGAGTACAGAGGG  
 ATATCCAATGCCTTTAGTTAGCTCAGGAGTAGAGCATGGTAACCTGAGAGAGCTGGCAC  
 TTGCAAGAATGAAAGACCTCGGAATACAGTGTGAGATGTGAGAACCAGAGAAGTTGGAA  
 TCCAAGAAATTCATCACAAAGTACGGCCATACCAGGTTGAATTGGTAAGGAGAGATTATG  
 TTGCAAAATGGTGGCTGGGAAACATTCTTGTATACGAAGACCCAGATCAAGACATTTTGA  
 TTGGCCTCCTACGATTACGCAAGTGTTCAGAAGAACTTCCGTTTTCGAATTGGGTGGAG  
 GTGTCTCCATAGTACGAGAGCTGCATGTGTATGGGAGTGTGGTCCCTGTGAGCAGCCGGG  
 ATCCTACTAAATTCAGCATCAGGGATTTGGCATGCTGCTGATGGAGGAAGCAGAAAGAA  
 TAGCTAGAGAAGAACATGGGTCTGGGAAAATCGCTGTGATATCAGGGGTCCGCACCAGGA  
 ATTATTATAGAAAGATCGGCTACAGATTACAAGGCCCGTACATGGTGAAGATGCTGAAAT  
 AATGGCCACACCAGTCCACTCTTCTGCAGTATCCTCCCTGGCAGAACACGGAGAATCAGG  
 ATTTCTTAAATACTCAACAGAGAGGCTGAGCAGAGCAAATGGGGGGCTTACCCTCATCC  
 CGCAGCTGCAGAGACTGGAACCTGCCTTCAAGGCCACGGCTGGTATCTGCTGACCACAC  
 CCCAGATCCGCCCTCTCCTGCGTGCACCCAAAAAATCACTTGCCTTTTTGAGGCTTAA  
 TCATCTATCCAGTTTCTACATTTTGCATGAGGCCTGCAGGTGGCCTATTTTGAATCAGAC  
 GGTGAAAAAAGCAAATTAACCTATTTGGACACCATAACTCATGCAATAAAACTGATTGTC  
 ATTCGAGGAGCAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_018091

**Insert Size:** 2100 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.

<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><a href="#">NM_018091.3</a></u> , <u><a href="#">NP_060561.3</a></u>
<b>RefSeq Size:</b>	3095 bp
<b>RefSeq ORF:</b>	1644 bp
<b>Locus ID:</b>	55140
<b>UniProt ID:</b>	<u><a href="#">Q9H9T3</a></u>
<b>Cytogenetics:</b>	8p21.1
<b>Domains:</b>	Acetyltransf, Elp3, Radical_SAM
<b>Gene Summary:</b>	<p>ELP3 is the catalytic subunit of the histone acetyltransferase elongator complex, which contributes to transcript elongation and also regulates the maturation of projection neurons (Creppe et al., 2009 [PubMed 19185337]).[supplied by OMIM, Apr 2009]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>