

## Product datasheet for **SC113769**

### 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:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC113769 sequence for NM\_018091 edited (data generated by NextGen Sequencing)

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ATGAGGCAGAAGCGGAAAGGAGATCTCAGCCCTGCTGAGCTGATGATGCTGACTATAGGA
GATGTTATTAACAACCTGATTGAAGCCCACGAGCAGGGGAAAGACATCGATCTAAATAAG
GTGAAAACCAAGACAGCTGCCAAATATGGCCTTTCTGCCAGCCCCGCTGGTGGATATC
ATTGCTGCCGTCCTCCTCAGTATCGCAAGGTCTTGATGCCCAAGTTAAAGGCGAAACCC
ATCAGAAGCTGCTAGTGGGATTGCTGTCTGGCTGTGATGTGCAAAACCCACAGATGTCCA
CACATCAGTTTTACAGGAAATATATGTGTATACTGCCCTGGTGGACCTGATTCTGATTTT
GAGTATCCACCCAGTCTTACACTGGCTATGAGCCAACCTCCATGAGAGCTATCCGTGCC
AGATATGACCCTTTCCTACAGACAAGACACCGAATAGAACAGTTAAAACAACCTGGTCAT
AGTGTGGATAAAGTGGAGTTTATTGTGATGGGTGGAACGTTTATGGCCCTCCAGAAGAA
TACAGAGATTATTTTATCGAAATTTACATGATGCCTTATCAGGACATACTTCCAACAAT
ATTTACGAGGCAGTCAAGTATTCTGAGAGAAGCCTCACAAAGTGTATTGGAATTACTATT
GAAACCAGACCAGATTACTGCATGAAGCGACATTTAAGTGACATGTTGACCTATGGCTGC
ACAAGGCTGGAGATTGGGGTGCAGAGTGTATGAAGATGTGGCTAGAGACACCAACAGG
GGCCACACTGTGAAGGCAGTGTGTGAGTCAATTCACCTGGCCAAAGATTCCGGTTTTAAA
GTGGTGGCCCATATGATGCCTGACCTGCCAAACGTGGGACTAGAAAGAGACATTGAACAG
TTCACAGAGTTTTTTGAGAACCTGCTTTTCGTCCCGATGGGCTGAAACTCTATCCTACC
CTGGTGATTCTGTGGGACCGGGCTTATGAGCTTTGAAATCAGGAAGATAAAGAGTTAC
TCTCCTAGTGACCTGGTTGAATTGGTGGCTCGGATCCTAGCCCTCGTGCCTCCATGGACT
CGAGTGTACCGAGTACAGAGGGATTTCCAATGCCTTTAGTTAGCTCAGGAGTAGAGCAT
GGTAACCTGAGAGAGCTGGCACTTGCAAGAATGAAAGACCTCGGAATACAGTGTGCGAGAT
GTGAGAACCAGAGAAGTTGGAATCCAAGAAATTCATCACAAAGTACGGCCATACCAGGTT
GAATTGGTAAGGAGAGATTATGTTGCAAAATGGTGGCTGGGAAACATTCTGTGCATACGAA
GACCCAGATCAAGACATTTTATTGATGGCCTCCTACGATTACGCAAGTGTTCAGAAGAACT
TTCCGTTTCAATTGGGTGGAGGTGTCTCCATAGTACGAGAGCTGCATGTGTATGGGAGT
GTGGTCCCTGTGAGCAGCCGGGATCCTACTAAATTTAGCATCAGGGATTGGCATGCTG
CTGATGGAGGAAGCAGAAAGAATAGCTAGAGAAGAATGGGTCTGGGAAATCGCTGTG
ATATCAGGGTCCGCACCAGGAATTATTATAGAAAGATCGGCTACAGATTACAAGGCCCG
TACATGGTGAAGATGCTGAAATAA
    
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Clone variation with respect to NM\_018091.5

**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_018091 unedited
ACGACTCATATAGGGCGCCGCGATTCCGGCAGCAGGCATTTTTATCTCTGGTGGCTCTGC
TACGGCGGCGCAGAAATGAGGCAGAAGCGGAAAGGAGATCTCAGCCCTGCTGAGCTGATG
ATGCTGACTATAGGAGATGTTATTAACAACCTGATTGAAGCCACGAGCAGGGGAAAGAC
ATCGATCTAAATAAGGTGAAAACCAAGACAGCTGCCAAATATGGCCTTTCTGCCAGCCC
CGCCTGGTGGATATCATTGCTGCCGTCCTCCTCAGTATCGCAAGGTCTTGATGCCCAAG
TTAAAGGCGAAACCCATCAGAACTGCTAGTGGGATTGCTGTCTGGCTGTGATGTGCAAA
CCCCACAGATGTCCACACATCAGTTTTACAGGAAATATATGTGTATACTGCCCTGGTGA
CCTGATTCTGATTTTGTATTCCACCCAGTCTTACACTGGCTATGAGCCAACCTCCATG
AGAGCTATCCGTGCCAGATATGACCCTTTCCTACAGACAAGACACCGAATAGAACAGTTA
AAACAACCTGGTCATAGTGTGGATAAGNTGGAGTTTATTGTGATGGGTGGGACGGTTTAT
GGCCCTCCAGAAGATACAGAGATTATTTTATTGCAATTTACATGATGCCTTATCAGGAC
ATACTTCCAACATATTACCNANGCAGTCAAGTATTCTGAGAGAAGCTCACAAAGTTTTTT
GGAATTCTATTGAAACCGACCAGATACTGCTGAACGAANTTTAATGACATGTGACTATGC
TGACAGTTGAGAAATGGGGGCACAAGTGTATAAAAAAGTGTGAGAACACAGGCCCATGGA
AGCGNGGTGGAGCATCACTGCAAAATACGGTTTAAAAGGGGGCCATTATGCTGCGCCAAC
TGGATTAAGACTTGAGTCCACAGTTTTAGACTGCTTNTNCGAGCTGACTTTACTGTGA
TTTGGGCCGCTTACTGAAAGAAAAAATACTCTGCGCGGAAGGGGGA
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_018091 unedited GGCCCTGNCTATGNACCGCAGGCCGCTTTCTAGNATCGAGTTTTTTTTTTTTTTTTTTTGC TCCTCGAATGTTTTAGTTTTATTGCATGAGTTATGGTGTCCAAATGAGTTAATTTGCTT TTTTACCAGTCTGAGTCAAAATAGGCCACCTGCAGGCCTCATGCAAAATGTAGAACTGG ATAGATGATTTAAGCCTCAAAAACGCAAGTGATTTTTGGGGTGCACGCAGGAGAGGGCG GATCTGGGGTGTGGTCAGCAGATGACCAGCCGTGGCCTTGAAGGCAGTTCCAGTCTCTG CAGCTGCGGGATGAGGGTGAAGCCCCCATTTGCTCTGCTCAGCCTCTCTGTTGAGTATT TAAGAAATCCTGATTCTCCGTGTTCTGCCAGGGAGGATACTGCAGAAGAGTGGACTGGTG TGGCCATTATTTAGCATCTTACCATGTACGGGCCTTGAATCTGTAGCCGATCTTTCT ATAATAATTCCTGGCGCCGACCCCTGATATCACACCGATTTTCCCAGACCCATGTTCTTC TTAGCTATTCTTCTGCTTCTCCATCAGCAGCATGCCAAATCCCTGCTGCTGAAATTT ATTACGACCCCGCTGTTACAGGGACCACACTCCCATACACATGCCGCTTTTGTACTAT GGAGACACCTCCACCAATTGTAACGGAAGTTCCTTCTGAACACTTGCGCAATCCGA GGACGCCATTCTAAATGTCTTGATCTGGGCTTCCCTATAACAAGCATGGTTCCCTAG CCCCATTGGCACATAATCTTTTCTTACCAATCAACCCTGGCTTGGGCCGCACTTTGTG AAGAAATTTCTTGAATTCACACCTTGTGGTTTCTCACATCTNNGACCCTGGATATCCC GAGGCCTTACTATTTTTGCACAGTGCAN
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_018091
<b>Insert Size:</b>	1680 bp
<b>OTI Disclaimer:</b>	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).
<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_018091.1</a></u> , <u><a href="#">NP_060561.1</a></u>
<b>RefSeq Size:</b>	1944 bp
<b>RefSeq ORF:</b>	1500 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

**Gene Summary:**

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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).