

## Product datasheet for **RC238751**

### ELP3 (NM\_001284222) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ELP3 (NM_001284222) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ELP3
Synonyms:	KAT9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC238751 representing NM\_001284222  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGCTGACTATAGGAGATGTTATTAACAACCTGATTGAAGCCACGAGCAGGGGAAAGACATCGATC  
 TAAATAAGGTGAAAACCAAGACAGCTGCCAAATATGGCCTTTCTGCCAGCCCGCTGGTGATATCAT  
 TGCTGCCGTCCCTCCTCAGTATCGCAAGGTCTTGATGCCCAAGTTAAAGGCGAAACCCATCAGAAGTGT  
 AGTGGGATTGCTGCTGCTGGCTGTGATGTCAAACCCACAGATGTCCACACATCAGTTTTACAGGAAATA  
 TATGTGTATACTGCCCTGGTGGACCTGATTCTGATTTTGGAGTATCCACCCAGTCTTACACTGGCTATGA  
 GCCAACCTCCATGAGAGCTATCCGTGCCAGATATGACCCTTTCTACAGACAAGACCCGAATAGAACAG  
 TTAACAACCTGGTCAAGTGTGGATAAAGTGGAGTTTATTGTGATGGTGGAACGTTTATGGCCCTTC  
 CAGAAGAATACAGAGATTATTTTATTCGAAATTTACATGATGCCTTATCAGGACATACTTCAACAATAT  
 TTACGAGGCAGTCAAGTATTCTGAGAGAAGCCTCACAAGTGTATTGGAATTACTATTGAAACCAGACCA  
 GATTACTGCATGAAGCGACATTTAAGTGACATGTTGACCTATGGCTGCACAAGGCTGGAGATTGGGGTGC  
 AGAGTGTTTATGAAGATGTGGCTAGAGACACCAACAGGGGCCACACTGTGAAGGCAGTGTGTGAGTCATT  
 TCACCTGGCCAAAGATCCGGTTTTAAAGTGGTGGCCATATGATGCCTGACCTGCCAAACGTGGGACTA  
 GAAAGAGACATTGAACAGTTCACAGAGTTTTTTGAGAACCCTGCTTTTCGTCGGATGGGCTGAAACTCT  
 ATCCTACCCTGGTGATTCGTGGGACCGGCTTTATGAGCTTTGAAATCAGGAAGATAAAGAGTTACTC  
 TCCTAGTGACCTGGTGAATTGGTGGCTCGGATCCTAGCCCTCGTGCCTCCATGGACTCGAGTGTACCGA  
 GTACAGAGGGATATCCAATGCCTTTAGTTAGCTCAGGAGTAGAGCATGGTAACCTGAGAGAGCTGGCAC  
 TTGCAAGAATGAAAGACCTCGGAATACAGTGTGAGATGTGAGAACCAGAGAAGTTGGAATCCAAGAAAT  
 TCATCACAAGTACGGCCATACCAAGTTGAATTGGTAAGGAGAGATTATGTTGCAAAATGGTGGCTGGGAA  
 ACATTCTGTGCATACGAAGACCCAGATCAAGACATTTTATTGGCCTCCTACGATTACGCAAGTGTTCAG  
 AAGAACTTTCCGTTTCGAATTGGTGGAGGTGTCTCCATAGTACGAGAGCTGCATGTGTATGGGAGTGT  
 GGTCCCTGTGAGCAGCCGGGATCCTACTAAATTCAGCATCAGGGATTTGGCATGCTGCTGATGGAGGAA  
 GCAGAAAGAATAGCTAGAGAAGAACATGGGCTGGGAAAATCGCTGTGATATCAGGGTCCGCCACCAGGA  
 ATTATTATAGAAAGATCGGCTACAGATTACAAGGCCCGTACATGGTGAAGATGCTGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238751 representing NM\_001284222  
 Red=Cloning site Green=Tags(s)

MMLTIGDVIKQLIEAHEQKIDIDLNVKTKTAAKYGLSAQPRLVDIIAAPPYRQKVLMPKLLKAKPIRTA  
 SGIADVAVMCKPHRCPHISFTGNICVYCPGGPDSDFEYSTQSYTGYEPTSMRAIRARYDPFLQTRHRIEQ  
 LKQLGHSVDKVEFIVMGGTFMALPEEYRDYFIRNLHDALSGHTSNNIYEAVKYSERSLTKCIGITIEIETRP  
 DYCCKRHLSDMLTYGCTRLEIGVQSVYEDVARDTNRGHTVKAVCESFHLAKDSGFKVVAHMMPDLPNVGL  
 ERDIEQFTEFFENPAFRPDGLKLYPTLVIRGTGLYELWKSGRYKSYSPDLVELVARILALVPPWTRVYR  
 VQRDIPMPLVSSGVEHGRLRELALARMKDLGIQCRDVRTREVGIIQIHHKVRPYQVELVRRDYVANGGWE  
 TFLSYEDPDQDILIGLLRLKRCSEETFRFELGGVSVIVRELHVYGSVVPVSSRDPKFKHQFGMLLMEE  
 AERIAEEHSGKIAVISGVGTRNYYRIGYRLQGPYMKMLK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

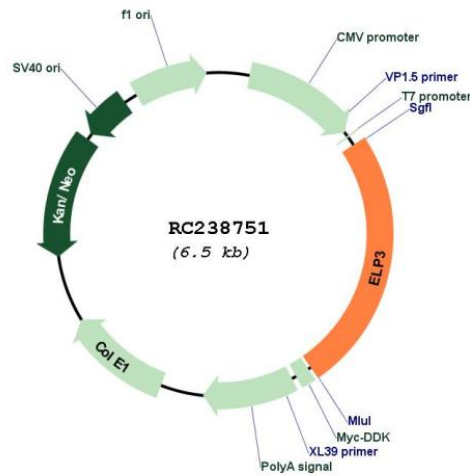
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



<b>ACCN:</b>	NM_001284222
<b>ORF Size:</b>	1599 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001284222.2</a>
<b>RefSeq Size:</b>	3170 bp
<b>RefSeq ORF:</b>	1602 bp
<b>Locus ID:</b>	55140
<b>UniProt ID:</b>	<a href="#">Q9H9T3</a>
<b>Cytogenetics:</b>	8p21.1
<b>MW:</b>	61.1 kDa
<b>Gene Summary:</b>	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]