

## Product datasheet for **RC238442**

### ELP3 (NM\_001284220) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ELP3 (NM_001284220) 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:**

>RC238442 representing NM\_001284220  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCAAGTTAAAGGCGAAACCCATCAGAACTGCTAGTGGGATTGCTGTCGTGGCTGTGATGTGCAAAC  
 CCCACAGATGTCCACACATCAGTTTTACAGGAAATATATGTGTACTGCCCTGGTGGACCTGATTCTGA  
 TTTTGAGTATTCCACCCAGTCTTACACTGGCTATGAGCCAACTCCATGAGAGCTATCCGTGCCAGATAT  
 GACCCCTTCTACAGACAAGACACCGAATAAGAACAGTTAAACAACCTGGTCATAGTGTGGATAAAGTGG  
 AGTTTTATTGTGATGGGTGGAACGTTTATGGCCCTCCAGAAGAATACAGAGATTATTTTATCGAAATTT  
 ACATGATGCCTTATCAGGACATACTTCCAACAATATTTACGAGGCAGTCAAGTATTCTGAGAGAAGCCTC  
 ACAAAGTGTATTGGAATTACTATTGAAACCAGACCAGATTACTGCATGAAGCGACATTTAAGTGACATGT  
 TGACCTATGGCTGCACAAGGCTGGAGATTGGGGTGCAGAGTGTTTATGAAGATGTGGCTAGAGACACCAA  
 CAGGGGCCACACTGTGAAGGCAGTGTGTGAGTCATTTACCTGGCCAAAGATTCCGGTTTTAAAGTGGTG  
 GCCCATATGATGCCTGACCTGCCAAACGTGGGACTAGAAAAGAGACATTGAACAGTTCACAGAGTTTTTTG  
 AGAACCTGCTTTTCGTCCCGATGGGCTGAAACTCTATCCTACCCTGGTATTCTGTTGGGACCGGGCTTTA  
 TGAGCTTTGAAAATCAGGAAGATATAAGAGTTACTCTCCTAGTGACCTGGTTGAATTGGTGGCTCGGATC  
 CTAGCCCTCGTGCTCCATGGACTCGAGTGTACCGAGTACAGAGGGATATCCAATGCCTTTAGTTAGCT  
 CAGGAGTAGAGCATGGTAACCTGAGAGAGCTGGCACTTGAAGAATGAAAGACCTCGGAATACAGTGTCCG  
 AGATGTGAGAACCAGAGAAGTTGGAATCCAAGAAATTCATCACAAAGTACGGCCATACCAGTTGAATTG  
 GTAAGGAGAGATTATGTTGAAAATGGTGGCTGGGAAACATTCTTGTCATACGAAGACCCAGATCAAGACA  
 TTTTGATTGGCCTCCTACGATTACGCAAGTGTTTCAAGAAATTTCCGTTTTCGAATTGGTGGAGGTGT  
 CTCCATAGTACGAGAGCTGCATGTGTATGGGAGTGGTCCCTGTGAGCAGCCGGATCCTACTAAATTT  
 CAGCATCAGGGATTTGGCATGCTGCTGATGGAGGAAGCAGAAAGAATAGCTAGAGAAGAATAGGTCTG  
 GGAAAATCGTGTGATATCAGGGGTCGGCACCAGGAATTATTATAGAAAGATCGGCTACAGATTACAAGG  
 CCCGTACATGGTGAAGATGCTGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238442 representing NM\_001284220  
 Red=Cloning site Green=Tags(s)

MPKLKAKPIRTASGIAVVAVMCKPHRCPHISFTGNICVYCPGGPDSDFEYSTQSYTGYEPTSMRAIRARY  
 DPFLQTRHRIEQLKQLGHSVDKVEFIVMGGTFMALPEEYRDYFIRNLHDALSGHTSNNIYEAVKYSERSL  
 TKCIGITIIETRPDYCMKRHLSDMLTYGCTRLIIGVQSVYEDVARDTNRGHTVKAVCESFHLAKDSGFKV  
 AHMMPDLPNVGLERDIEQFTEFFENPAFRPDGLKLYPTLVIRGTGLYELWKSGRYKSYSPSDLVELVARI  
 LALVPPWTRVYRVQRDIPMPLVSSGVEHGNLRELALARMKDLGIQCRDVRTREVGIQEIHKKVRPYQVEL  
 VRRDYVANGGWETFLSYEDPDQDILIGLLRLRKCSEETFRFELGGVSVIVRELHVYGSVVPVSSRDPTKF  
 QHQFGMLLMEEAERIAREEHSGKIAVISGVGTRNYYRKIGYRLQGPYMKMLK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

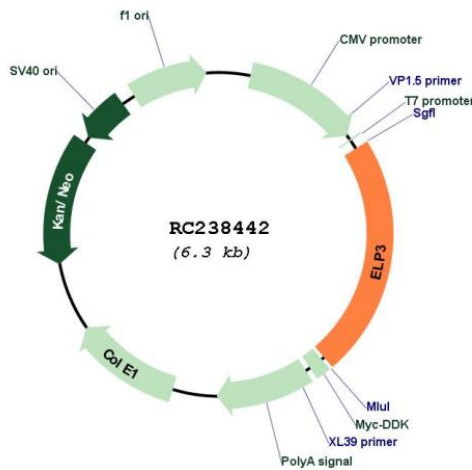
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001284220

ORF Size: 1425 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

**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\\_001284220.2](#)

**RefSeq Size:** 3135 bp

**RefSeq ORF:** 1428 bp

**Locus ID:** 55140

**Cytogenetics:** 8p21.1

**MW:** 54.7 kDa

**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]