

## Product datasheet for **RC238322**

### ELP3 (NM\_001284226) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ELP3 (NM_001284226) 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



[View online »](#)

**ORF Nucleotide Sequence:**

>RC238322 representing NM\_001284226  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTGCAAACCCACAGATGTCCACACATCAGTTTTACAGAAATATATGTGTATACTGCCCTGGTGGAC  
 CTGATTCTGATTTTGAATTCCACCCAGTCTTACACTGGCTATGAGCCAACCTCCATGAGAGCTATCCG  
 TGCCAGATATGACCCCTTCTACAGACAAGACACCGAATAGAACAGTTAAAAACAACCTGGTCATAGTGTG  
 GATAAAGTGGAGTTTATTGTGATGGGTGGAACGTTTATGGCCCTCCAGAAGAATACAGAGATTATTTTA  
 TTCGAAATTTACATGATGCCTTACAGGACATACTTCCAACAATTTTACGAGGCAGTCAAGTATTCTGA  
 GAGAAGCCTCACAAAGTATTGGAATTACTATTGAAACCAGACCAGATTACTGCATGAAGCGACATTTA  
 AGTGACATGTTGACCTATGGCTGCACAAGGCTGGAGATTGGGTGCAGAGTGTATGAAGATGTGGCTA  
 GAGACACCAACAGGGCCACACTGTGAAGCAGTGTGTGAGTCATTTACCTGGCCAAAGATTCCGGTTT  
 TAAAGTGGTGGCCATATGATGCCTGACCTGCCAAACGTGGGACTAGAAAGAGACATTGAACAGTTCACA  
 GAGTTTTTTGAGAACCCTGCTTTTCGTCCCGATGGGCTGAAACTCTATCCTACCCTGGTGATTCTGGGA  
 CCGGGCTTTATGAGCTTTGAAATCAGGAAGATATAAGAGTTACTCTCCTAGTGACCTGGTTGAATTGGT  
 GGCTCGGATCCTAGCCCTCGTGCCTCCATGGACTCGAGTGTACCGAGTACAGAGGGATATCCAATGCCT  
 TTAGTTAGCTCAGGAGTAGAGCATGGTAACCTGAGAGAGCTGGCACTTGAAGAATGAAAGACCTCGGAA  
 TACAGTGTGAGATGTGAGAACCAGAGAAGTTGGAATCCAAGAAATTCATCACAAGTACGGCCATACCA  
 GGTTGAATTGGTAAGGAGAGATTATGTTGCAATGGTGGCTGGGAAACATTTCTGTCATACGAAGACCCA  
 GATCAAGACATTTTATTGGCTCCTACGATTACGCAAGTGTTCAGAAGAACTTCCGTTTCGAATTGG  
 GTGGAGGTGTCTCCATAGTACGAGAGTCATGTGTATGGGAGTGTGGTCCCTGTGAGCAGCCGGGATCC  
 TACTAAATTTAGCATCAGGGATTTGGCATGCTGCTGATGGAGGAAGCAGAAAGAATAGCTAGAGAAGAA  
 CATGGGCTGGGAAAATCGCTGTGATATCAGGGGTCGGCACCGAATTATTATAGAAAGATCGGCTACA  
 GATTACAAGGCCGTACATGGTGAAGATGCTGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238322 representing NM\_001284226  
 Red=Cloning site Green=Tags(s)

MCKPHRCPHISFTGNICVYCPGGPDSDFEYSTQSYTGYEPTSMRAIRARYDPFLQTRHRIEQLKQLGHSV  
 DKVEFIVMGGTFMALPEEYRDYFIRNLHDALSGHTSNNIYEAVKYSERSLTKCIGITIEIETRPDYCMKRHL  
 SDMLTYGCTRLEIGVQSVYEDVARDTNRGHTVKAVCESFHLAKDSGFKVVAHMMPDLPNVGLERDIEQFT  
 EFFENPAFRPDGLKLYPTLVIRGTGLYELWKSGRYKSYSPSDLVELVARILALVPPWTRVYRVQRDIPMP  
 LVSSGVEHGNLRELALARMKDLGIQCRDVRTREVGIQEIHKKVRPYQVELVRRDYVANGGWETFLSYEDP  
 DQDILIGLLRLKRCSEETFRFELGGVSVIVRELHVYGSVVPVSSRDPTKFQHQGFMLLMEEAERIAREE  
 HSGGKIAVISGVGTRNYYRKIGYRLQGPYMKMLK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

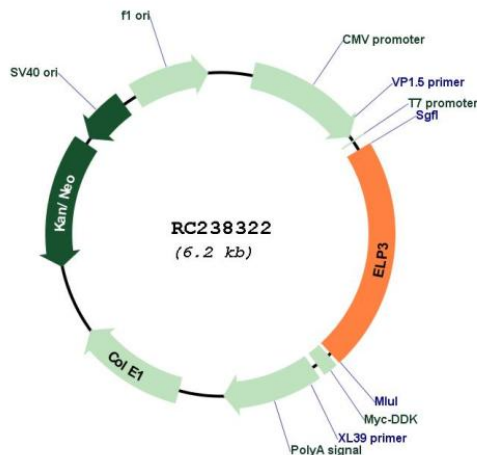
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001284226

ORF Size: 1365 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).

<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_001284226.1</a> , <a href="#">NP_001271155.1</a>
<b>RefSeq Size:</b>	3096 bp
<b>RefSeq ORF:</b>	1368 bp
<b>Locus ID:</b>	55140
<b>UniProt ID:</b>	<a href="#">Q9H9T3</a>
<b>Cytogenetics:</b>	8p21.1
<b>MW:</b>	52.7 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]