

## Product datasheet for **RG238168**

### ELP3 (NM\_001284224) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ELP3 (NM_001284224) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ELP3
Synonyms:	KAT9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238168 representing NM_001284224. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGTCCACACATCAGTTTTACAGGAAATATATGTGTCCAACCTCCATGAGAGCTATCCGTGCCAGATAT
GACCCCTTCTACAGACAAGACACCGAATAGAACAGTTAAACAACCTGGTCATAGTGTGGATAAAGTG
GAGTTTATTGTGATGGGTGGAACGTTTATGGCCCTTCCAGAAGAATACAGAGATTATTTTATTGAAAT
TTACATGATGCCTTATCAGGACATACTCCAACAATTTACGAGGCAGTCAAGTATTCTGAGAGAAGC
CTCACAAGTGTATTGGAATTACTATTGAAACCAGACCAGATTACTGCATGAAGCGACATTTAAGTGAC
ATGTTGACCTATGGCTGCACAAGGCTGGAGATTGGGGTGCAGAGTGTATGAAGATGTGGCTAGAGAC
ACCAACAGGGGCCACACTGTGAAGGCAGTGTGTGAGTCATTTACCTGGCCAAAGATTCCGGTTTTAAA
GTGGTGGCCCATATGATGCCTGACCTGCCAAACGTGGGACTAGAAAGAGACATTGAACAGTTCACAGAG
TTTTTTGAGAACCCTGCTTTTCGTCGCCGATGGGCTGAAACTCTATCCTACCCTGGTGATTCGTGGGACC
GGGCTTTATGAGCTTTGGAAATCAGGAAGATATAAGAGTTACTCTCCTAGTGACCTGGTTGAATTGGTG
GCTCGGATCCTAGCCCTCGTGCCCTCATGGACTCGAGTGTACCGAGTACAGAGGGATATTCCAATGCCT
TTAGTTAGCTCAGGAGTAGAGCATGGTAACCTGAGAGAGCTGGCCTTGAAGAATGAAAGACCTCGGA
ATACAGTGTGAGATGTGAGAACCAGAGAAGTTGGAATCCAAGAAATTCATCACAAGTACGGCCATAC
CAGGTTGAATTGGTAAGGAGAGATTATGTTGCAAATGGTGGGAAACATTCTTGTCATACGAAGAC
CCAGATCAAGACATTTTGTGGCTCCTACGATTACGCAAGTGTTCAGAAGAAACTTTCCGTTTTCGAA
TTGGGTGGAGGTGTCTCCATAGTACGAGAGCTGCATGTGTATGGGAGTGTGGTCCCTGTGAGCAGCCGG
GATCCTACTAAATTTAGCATCAGGGATTTGGCATGCTGCTGATGGAGGAAGCAGAAAGAATAGCTAGA
GAAGAACATGGTCTGGGAAAAATCGCTGTGATATCAGGGGTCGGCACCAGGAATTATTATAGAAAGATC
GGCTACAGATTACAAGGCCCGTACATGGTGAAGATGCTGAAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG238168  
 Blue=ORF Red=Cloning site Green=Tag(s)

MSTHQFYRKYMCPTSMRAIRARYDPFLQTRHRIEQLKQLGHSVDKVEFIVMGGTFMALPEEYRDYFIRN  
 LHDALSGHTSNNIYEAVKYSERSLTKCIGITIEITRPDYCMKRHLSDMLTYGCTRLEIGVQSVYEDVARD  
 TNRGHTVKAVCESFHLAKDSGFKVVAHMPDLPNVGLERDIEQTEFFENPAFRPDGLKLYPTLVIRGT  
 GLYELWKSGRYKSYSPSDLVELVARILALVPPWTRVYRQRDIPMPLVSSGVEHGNLRELALARMKDLG  
 IQCRDVRTREVGIQEIIHKVRYQVELVRRDYVANGGWETFLSYEDPDQDILIGLLRLRKCEETFRFE  
 LGGVSVIVRELHVGSSVVPSSRDPKFKHQGFGMLLMEEAERIAREEHSGKIAVISGVGTRNYRKI  
 GYRLQGPYMKMLK  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001284224

**ORF Size:** 1284 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).

**RefSeq:** [NM\\_001284224.2](#)

RefSeq Size: 3032 bp

RefSeq ORF: 1287 bp

Locus ID: 55140

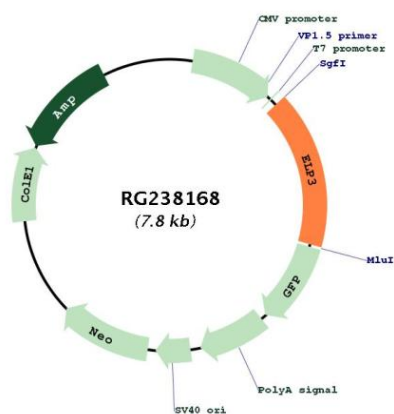
UniProt ID: [Q9H9T3](#)

Cytogenetics: 8p21.1

MW: 49.9 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]

### Product images:



Circular map for RG238168