

Product datasheet for **RG238751**

ELP3 (NM_001284222) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELP3 (NM_001284222) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RG238751 representing NM_001284222.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGCTGACTATAGGAGATGTTATTAACAACCTGATTGAAGCCCACGAGCAGGGGAAAGACATCGAT
CTAAATAAGGTGAAAACCAAGACAGCTGCCAAATATGGCCTTTCTGCCAGCCCCGCTGGTGGATATC
ATTGCTGCCGTCCCTCCTCAGTATCGCAAGGTCTTGATGCCCAAGTTAAAGGCGAAACCCATCAGAACT
GCTAGTGGGATTGCTGTCGTGGCTGTGATGTGCAAACCCACAGATGTCCACACATCAGTTTTACAGGA
AATATATGTGTATACTGCCCTGGTGGACCTGATTCTGATTTTGTAGTATTCCACCCAGTCTTACACTGGC
TATGAGCCAACCTCCATGAGAGCTATCCGTGCCAGATATGACCCTTCTACAGACAAGACACCGAATA
GAACAGTTAAACAACCTGGTCATAGTGTGGATAAAGTGGAGTTTATTGTGATGGGTGGAACGTTTATG
GCCCTCCAGAAGAATACAGAGATTATTTATTCGAAATTTACATGATGCCTTATCAGGACATACTCC
AACAAATTTACGAGGCAGTCAAGTATTCTGAGAGAAGCCTCACAAAGTGTATTGGAATTACTATTGAA
ACCAGACCAGATTACTGCATGAAGCGACATTTAAGTGACATGTTGACCTATGGCTGCACAAGGCTGGAG
ATTGGGGTGCAGAGTGTTTATGAAGATGTGGCTAGAGACACCAACAGGGGCCACACTGTGAAGGCAGTG
TGTGAGTCATTTACCTGGCAAAGATTCCGGTTTTAAAGTGGTGGCCCATATGATGCCTGACCTGCCA
AACGTGGGACTAGAAAGAGACATTGAACAGTTCACAGAGTTTTTTGAGAACCCCTGCTTTTCGTCCCGAT
GGGCTGAAACTCTATCCTACCCTGGTGATTCGTGGGACCGGGCTTTATGAGCTTTGGAAATCAGGAAGA
TATAAGAGTTACTCTCCTAGTGACCTGGTTGAATTGGTGGCTCGGATCCTAGCCCTCGTGCCTCCATGG
ACTCGAGTGTACCGAGTACAGAGGGATTTCCAATGCCTTTAGTTAGCTCAGGAGTAGAGCATGGTAAC
CTGAGAGAGCTGGCACTTGCAAGAATGAAAGACCTCGGAATACAGTGTGAGATGTGAGAACCAGAGAA
GTTGGAATCCAAGAAATTCATCACAAAGTACGGCCATACCAGTTGAATTGGTAAGGAGAGATTATGTT
GCAAATGGTGGCTGGGAAACATTCTTGTCATACGAAGACCCAGATCAAGACATTTTGATTGCCTCCTA
CGATTACGCAAGTGTTCAGAAGAACTTTCCGTTTCAATTGGGTGGAGGTGTCTCCATAGTACGAGAG
CTGCATGTGTATGGGAGTGTGGTCCCTGTGAGCAGCCGGGATCCTACTAAATTTACAGCATCAGGGATTT
GGCATGCTGTGATGGAGGAAGCAGAAAGAATAGCTAGAGAAGAACATGGGTCTGGGAAAATCGCTGTG
ATATCAGGGGTCGGCACCAGGAATTATTATAGAAAGATCGGCTACAGATTACAAGCCCGTACATGGTG
AAGATGCTGAAA
```

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC

Protein Sequence:

>Peptide sequence encoded by RG238751
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MMLTIGDVIKQLIEAHEQKIDIDLNKVKTKTAAKYGLSAQPRLVDIIAAPPQYRKVLMPKLKAKPIRT
ASGIAVVAVMCKPHRCPHISFTGNICVYCPGGPDSDFEYSTQSYTGYEPTSMRAIRARYDPFLQTRHRI
EQLKQLGHSVDKVEFIVMGGTFMALPEEYRDYFIRNLHDALSGHTSNNIYEAVKYSERSLTKCIGITIE
TRPDYCMKRHLSMMLTYGCTRLEIGVQSVYEDVARDTNRGHTVKAVCESFHLAKDSGFKVVAHMMPDLP
NVGLERDIEQTEFFENPAFRPDGLKLYPTLVIRGTGLYELWKSGRYKSYSPSDLVELVARILALVPPW
TRVYRVQRDIPMLVSSGVEHGNLRELALARMKDLGIQCRDVRTREVGIQEIHKKVRPYQVELVRRDYV
ANGGWETFLSYEDPDQDILIGLLRLRKCSEETFRFELGGVSIIVRELHVYGSVVPVSSRDPTKFQHQGF
GMLLMEEAERIAREEHGSGKIAVISGVGTRNYRKYGYRLQGPYMKMLK
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

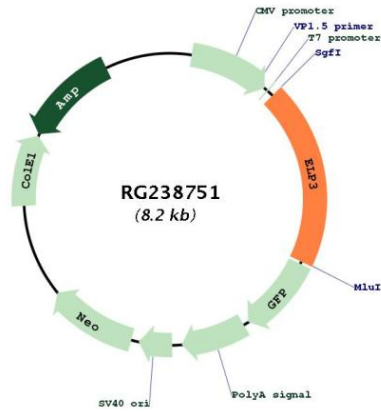
Restriction Sites:

Sgfl-MluI

Cloning Scheme:


- ACCN:** NM_001284222
- ORF Size:** 1599 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_001284222.2](#)
- RefSeq Size:** 3170 bp
- RefSeq ORF:** 1602 bp
- Locus ID:** 55140
- UniProt ID:** [Q9H9T3](#)
- Cytogenetics:** 8p21.1
- MW:** 61.1 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 RG238751