

Product datasheet for **RG238442**

ELP3 (NM_001284220) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELP3 (NM_001284220) 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:	>RG238442 representing NM_001284220. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGCCAAGTTAAAGGCGAAACCCATCAGA AACTGCTAGTGGGATTGCTGTCGTGGCTGTGATGTGCAAA
CCCCACAGATGTCCACACATCAGTTTTACAGGAAATATATGTGTACTGCCCTGGTGGACCTGATTCT
GATTTTGAGTATCCACCCAGTCTTACACTGGCTATGAGCCAACCTCCATGAGAGCTATCCGTGCCAGA
TATGACCCTTTCTACAGACAAGACACCGAATAGAACAGTTAAAACAAC TTGGTCATAGTGTGGATAAA
GTGGAGTTTATTGTGATGGTGGAACGTTTATGGCCCTCCAGAAGAATACAGAGATTATTTTATTCGA
AATTTACATGATGCCTTATCAGGACATACTTCCAACAATATTTACGAGGCAGTCAAGTATTCTGAGAGA
AGCCTCACAAAGTGTATTGGAATTA CTATTGAAACCAGACCAGATTACTGCATGAAGCGACATTTAAGT
GACATGTTGACCTATGGCTGCACAAGGCTGGAGATTGGGGTGCAGAGTGT TATGAAGATGTGGCTAGA
GACACCAACAGGGGCCACACTGTGAAGGCAGTGTGTGAGTCATTTACCTGGCCAAAGATTCCGGTTTT
AAAGTGGTGGCCCATATGATGCCTGACCTGCCAAACGTGGGACTAGAAAGAGACATTGAACAGTTTACA
GAGTTTTTTGAGAACCCTGCTTTTCGTC CCGATGGGCTGAAACTATCCTACCTGGTGATTCTGTTGGG
ACCGGGCTTTATGAGCTTTGGAATCAGGAAGATATAAGAGTTACTCTCCTAGTGACCTGGTTGAATTG
GTGGCTCGGATCCTAGCCCTCGTGCCTCCATGGACTCGAGTGTACCGAGTACAGAGGGATATTCCAATG
CCTTTAGTTAGCTCAGGAGTAGAGCATGGTAACCTGAGAGAGCTGGC ACTTGCAAGAATGAAAGACCTC
GGAATACAGTGTGAGATGTGAGAACCAGAGAAGTTGGAATCCAAGAAATTCATCACAAAGTACGGCCA
TACCAGTTGAATTGGTAAGGAGAGATTATGTTGCAAATGGTGGCTGGGAAA CATTCTTGTGCATACGAA
GACCCAGATCAAGACATTTTGATTGGCCTCCTACGATTACGCAAGTGTTCAGAAGAACTTTCCGTTTC
GAATTGGGTGGAGGTGTCTCCATAGTACGAGAGCTGCATGTGTATGGGAGTGTGGTCCCTGTGAGCAGC
CGGGATCTACTAAATTT CAGCATCAGGGATTTGGCATGCTGCTGATGGAGGAAGCAGAAAGAATAGCT
AGAGAAGAACATGGGTCTGGGAAAATCGCTGTGATATCAGGGGTCGGCACCAGGAATTATTATAGAAAG
ATCGGCTACAGATTACAAGGCCGTACATGGTGAAGATGCTGAAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238442
 Blue=ORF Red=Cloning site Green=Tag(s)

MPKLLKAKPIRTASGIAVVAVMCKPHRCPHISFTGNICVYCPGGPDSDFEYSTQSYTGYEPTSMRAIRAR
 YDPFLQTRHRIEQLKQLGHSVDKVEFIVMGGTFMALPEEYRDYFIRNLHDALSGHTSNNIYEAVKYSER
 SLTKCIGITITETRPDYCMKRHLSMMLTYGCTRLEIGVQSVYEDVARDTNRGHTVKAVCESFHAKDSGF
 KVVAHMMPDLPNVGLERDIEQTEFFENPAFRPDGLKLYPTLVIRGTGLYELWKSGRYKSYSPSDLVEL
 VARILALVPPWTRVYRVQRDIPMPLVSSGVEHGNLRELALARMKDLGIQCRDVRTREVGIQEIHHKVRP
 YQVELVRRDYVANGGWETFLSYEDPDQDILIGLLRLRKCSEETFRFELGGGVSVIRELHVYGSVVPVSS
 RDPTKFQHQQFGMLLMEEAERIAREEHGSKIAVIVSGVGRNYYRKIGYRLQGPYVMKMLK
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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.

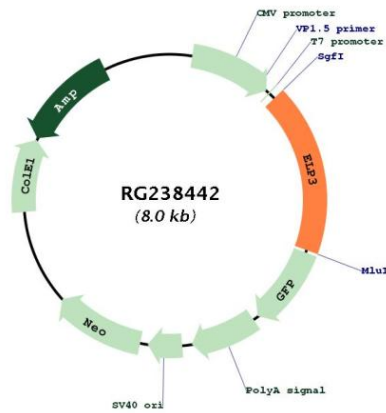
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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]

Product images:



Circular map for RG238442