

## Product datasheet for **SC336063**

### ELP3 (NM\_001284225) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ELP3 (NM_001284225) Human Untagged Clone
Tag:	Tag Free
Symbol:	ELP3
Synonyms:	KAT9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC336063 representing NM_001284225. Blue=Insert sequence Red=Cloning site Green=Tag(s)

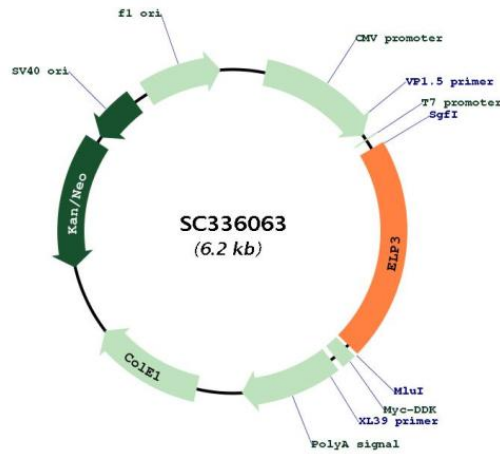
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GGCTACAGATTACAAGGCCCGTACATGGTGAAGATGCTGAAATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

**Plasmid Map:**



ACCN: NM\_001284225

Insert Size: 1287 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_001284225.1](#)

RefSeq Size: 3071 bp

RefSeq ORF: 1287 bp

Locus ID: 55140

UniProt ID: [Q9H9T3](#)

Cytogenetics: 8p21.1

MW: 49.4 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]

Transcript Variant: This variant (5) differs in the 5' UTR and lacks a portion of the 5' coding region, compared to variant 1. These differences cause translation initiation at a downstream AUG and result in an isoform (4) with a shorter N-terminus, compared to isoform 1. Variants 4 and 5 encode the same isoform (5). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.