

Product datasheet for **RC238450**

ELP4 (NM_001288725) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELP4 (NM_001288725) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ELP4
Synonyms:	AN; AN2; C11orf19; dj68P15A.1; hELP4; PAX6NEB; PAXNEB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC238450 representing NM_001288725
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCGGCAGTGGCAACCTGCGGTAGTGTGCCGCGAGTACTGGGTCTGCAGTGGCGACAGCCAGCAAGA
 GCAACGTCAACGATTTCCAGAGGAGGGTCTAGAGCCAGCGTGACCAACGACAGCGGCCCTCGACTGGT
 GTCCATTGCGGGCACGCGACCGTCGCTGCGGAATGGACAGCTGCTGGTATCAACCGGGCTCCAGCCCTA
 GACCAGCTCTTAGGTGGAGGTTTAGCCGTTGGAACAGTCTTCTAATTGAGGAGGATAAATATAATATTT
 ACTCACCTTTGCTCTTCAAGTATTTCTGGCAGAAGGAATTGTCAATGGGCATACTTTGTTGGTTGCATC
 TGCTAAAGAGGATCCTGCCAACATTTTACAGGAACCTCCAGCACCATTACTTGATGATAAATGAAAAAG
 GAATTTGATGAAGATGTACAATCATAAAACACCAGAATCTAATATTAAGATGAAATAGCTTGGCGTT
 ACCAGTTATTACCAAGATGGAGCAGATTGGACCAGTATCATCTTCAAGATTTGGTCACTATTATGATGC
 ATCAAAAAGAATGCCACAAGAACTAATTGAGGCTTCAAATTGGCATGGATTTTTCTTCCAGAGAAAATA
 TCTTCAACTCTCAAAGTAGAACCTGTTCTTTGACCCCTGGCTACACAAAGCTGCTTCAGTTTATCCAGA
 ACATCATTATGAGGAAGGATTTGATGGATCCAATCCTCAGAAAAACAGAGAAACATTTAAGAATAGG
 AATTGAGAATCTTGGCTCACCTTATGGGGAGACGATATTTGCTGTGCAGAAAAATGGTGGCAACAGTCAC
 AGCCTTACCAAGTTCTCTATGTTCTCCGTGGTCTTCTGAGAACCCTCTTTTCAGCCTGCATCATCAAA
 TGCCAACACATCTGATCCAGAATAAAGCCATTATTGCCCGTGTCAACCTTGTGAGATGTAGTAGTTGG
 TCTGGAATCATTTATTGGTTCTGAGAGAGAAACTAACCATTGTATAAGGATTATCATGGATTGATTCAT
 ATACGGCAGATTCTCGGCTTAATACTTGATCTGTGATGAATCAGATGTCAAAGACTTAGCTTTTAAAT
 TAAAAAGGAAGCTATTACCATTTAGTGGGTGCAAGACAACCTTGTGAGACAAGAGAGGAACATTTATCC
 TCCAGGCTTCTCATACTTACTCAAGCAGAAAGACTCTGCATGGGAGAGGTTCTTTACAGCATTCCACA
 TTTTAAATGAGCTTCTTGCAAAGGCGACTGCATTTGCCTCCAGACTTGTGAGACACAGTGAAGCCGCTCA
 AGCAAAATGGATCTGGCAGAATCCGCCAAGCGGCTGGGCCAGGCTGTGGCATGATGGCCGAGGCAAGA
 AGCACCTGGACTTCTAGGGATTCTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238450 representing NM_001288725
 Red=Cloning site Green=Tags(s)

MAAVATCGSVAASTGSAVATASKSNVTSFQRRGPRASVTNDSGPRLVSIAGTRPSVRNGQLLVSTGLPAL
 DQLLGGGLAVGTVLLIEEDKYNIIYSPLLFKYFLAEGIVNGHTLLVASAKEDPANILQELPAPLLDDKCKK
 EFDEDEVNHNKTPESNIKMKIARWYQLLPKMEQIGPVSSSRFGHYDASKRMPQELIEASNWHGFFLPEKI
 SSTLKVEPCSLTPGYTKLLQFIQNIIEEGFDGSDNPQKKQRNLRIGIQNLGSPLWGDDICCAENGNSH
 SLTKFLYVLRGLRLTSLACIITMPHLIQNKAIARVTTLSDVVVGLESFIGSERETNPYKDYHGLIH
 IRQIPRLNNLICDESDVKDLAFKLKRKLTIEWVQDNYLRQERNIYPPGFSYLLKQKDSAWGEGSLQHST
 FLMSFLAKATAFASRLVRHSEPLKQNGSGRIRQAAGPRLWHDGRRQEAPGLLGIPP

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001288725

ORF Size: 1428 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).

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001288725.2](#)

RefSeq Size: 2483 bp

RefSeq ORF: 1431 bp

Locus ID: 26610

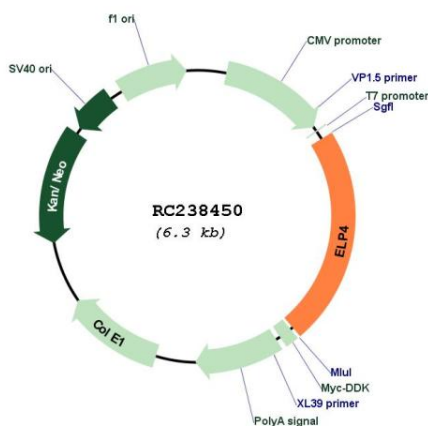
UniProt ID: Q96EB1

Cytogenetics: 11p13

MW: 53.2 kDa

Gene Summary: This gene encodes a component of the six subunit elongator complex, a histone acetyltransferase complex that associates directly with RNA polymerase II during transcriptional elongation. The human gene can partially complement sensitivity phenotypes of yeast ELP4 deletion mutants. This gene has also been associated with Rolandic epilepsy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]

Product images:



Circular map for RC238450