

Product datasheet for **SC113303**

ELP4 (NM_019040) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	ELP4
Synonyms:	AN; AN2; C11orf19; dJ68P15A.1; hELP4; PAX6NEB; PAXNEB
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_019040, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCAGTGGCAACCTGCGGTAGTGTTGCCGCGAGTACTGGGTCTGCAGTGGCGACAGCCAGCAAGA
GCAACGTACCCAGTTTCCAGAGGAGGGTCTAGAGCCAGCGTGACCAACGACAGCGGCCCTCGACTGGT
GTCCATTGCGGGCACGCGACCGTCGGTGCGGAATGGACAGCTGCTGGTATCAACCGGGCTCCAGCCCTA
GACCAGCTCTTAGGTGGAGGTTTAGCCGTTGGAACAGTTCTTCTAATTGAGGAGGATAAATATAATTTT
ACTCACCTTTGCTCTTCAAGTATTTCTGGCAGAAGGAATGTCAATGGGCATACTTTGTTGGTTGCATC
TGCTAAAGAGGATCCTGCCAACATTTACAGGAACTTCCAGCACCATTACTTGATGATAAATGTAAAAAG
GAATTTGATGAAGATGTATACAATCATAAACACCAGAATCTAATATTAAGATGAAAAATAGCTTGGCGTT
ACCAGTTATTACCAAGATGGAGATTGGACCAGTATCATCTTCAAGATTGGTCACTATTATGATGCATC
AAAAAGAATGCCACAAGAACTAATTGAGGCTTCAAATGGCATGGATTTTTTCTTCCAGAGAAAAATCT
TCAACTCTCAAAGTAGAACCTGTTCTTTGACCCCTGGCTACACAAAGCTGCTTCAGTTTATCCAGAACA
TCATTTATGAGGAAGGATTTGATGGATCCAATCCTCAGAAAAAACAGAGAAACATTTTAAGAATAGGAAT
TCAGAATCTTGGCTCACCTTTATGGGGAGACGATATTTGCTGTGCAGAAATGGTGGCAACAGTCACAGC
CTTACCAAGTTCTCTATGTTCTCCGTGGTCTTCTGAGAACCTCTCTTTCAGCCTGCATCATCACAATGC
CAACACATCTGATCCAGAATAAAGCCATTATTGCCCGTGTCAACCTTGTGATGATGATGTTGGTCT
GGAATCATTTATTGGTTCTGAGAGAGAACTAACCATTGTATAAGGATTATCATGGATTGATTCATATA
CGGCAGATTCTCGGCTTAATAACTGTATCTGTGATGAATCAGATGTCAAAGACTTAGCTTTTAAATTAA
AAAGGAAGCTATTACCATTTGAGCGACTGCATTGCCTCCAGACTTGTGAGACACAGTGAGCCGCTCAAG
CAAAATGGATCTGGCAGAATCCGCCAAGCGCTGGGCCAGGCTGTGGCATGATGGCCGGAGGCAAGAAG
CACCTGGACTTCTAG

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5' Read Nucleotide

Sequence:

>OriGene 5' read for NM_019040 unedited
 TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTTAACTGAGG
 GCTCTAAGATGGCGGCAGTGGCAACCTGCGGTAGTGTGCCGCGAGTACTGGGTCTGCAG
 TGGCGACAGCCAGCAAGAGCAACGTCAACAGTTTCCAGAGGAGGGTCCCTAGAGCCAGCG
 TGACCAACGACAGCGGCCCTCGACTGGTGTCCATTGCGGGCACGCGACCGTCGGTGCGGA
 ATGGACAGCTGCTGGTATCAACCGGGCTCCAGCCCTAGACCAGCTCTTAGGTGGAGGTT
 TAGCCGTTGGAACAGTTCTTCTAATTGAGGAGGATAAATAATATTTACTCACCTTTGC
 TCTTCAAGTATTTCTGGCAGAAGGAATTGCAATGGGCATACTTTGTTGGTTGCATCTG
 CTAAAGAGGATCCTGCCAACATTTTACAGGAACCTCCAGCACCATTACTTGATGATAAAT
 GTAAAAAGGAATTTGATGAAGATGTATACAATCATAAAACACCAGAATCTAATATTAAGA
 TGAAAATAGCTTGGCGTTACCAAGTATTACCAAGATGGAGATTGGACCAGTATCATCTT
 CAAGATTTGGTCACTATTATGATGCATCAAAAAGAATGCCACAAGAATAATTGAGGCTT
 CAAATTGGCATGGATTNTTCTTNCAGAGAAAATATCTTCAACTCTCANAGTAGAACCTT
 GTTCTTTGACCCCTGGCTACACAAAGCTGCTTCAGTTTATCCAGAACATCATTTATGAGG
 AAGGATTTGATGGATCCAATCCTCAGAANAACAGAGAAACATTNTAAGAATANGGAATCA
 GATCTTGGCTCACCTTTATGANGAGACGATATTTGCTGTGCAGAAAAGGTGGGCACAGTC
 ACAGCCTTTACCAGTNCCTTGTCTCCGTGGTCTCTGA

3' Read Nucleotide

Sequence:

>OriGene 3' read for NM_019040 unedited
 CGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTAAAACTCATTTGAATTT
 ATTCAGAATGTTCAATGCTTTCAAAGGACATAGCAGAGCTTTTGTGGAGTATCCGCAC
 AACATTATTTATTATCTATGGACTAAATCAATTTTTTGAAGTTGCTTTAAATTTAAAG
 CACCTTTGCTTAATATAAGCCCTTAATTTTAACTGACAGATCAATTCTGAACTTTAT
 TTTGAAAAGAAAATGGGAAGAATCTGTGCTTTAGAAATTAAGAAAATGAAAAAATAA
 ACCCGACATTCTAAAAAATAGAATAAGAAACCTGATTTTGTACTAATGAAATAGCGG
 GTGACAAAATAGTTGTCTTTTGTATTTGATCACAAAAAATAAAGTGTAGTACAGGAT
 ATGATGGAGAGATTTGACATCCTGGCAATCACTGTCAATGATTCAATTATTCTAATTCT
 GAATAAAGCTGTATACAGTATGTGTTTATGCTACAGTGGGTTTTTTAAGTACTGACA
 TTCATCATATTGGTTAGACAGTTTTTAAACCTAGTCTTTTCTACAATGTTGTCAA
 GAACAAATAAAGTATAATTTGTGTATATTAAGCAAGCTGCTTAAAAATGCTAGTTAT
 AACTGCTTCAAAATATTAATACATTTGAAAATGTATTTGGAAATTCAGTTTCTCCAA
 TGGATGTTAAACACCTTTTAAAAATCAAGACTCTTAATATGCAAGTTACTTTTCAACT
 TTCAATTTTTATCATTATCTGTCAAAGCTTTGAGATATAGAAATGTATTAACACCT
 AATGTTTCATATGAACTGGTTCGAATGCTTACCCCAAGACTGTTACATGGTAGAATTAC
 ACCTCCACATGTCATATACAAATATATGTGAGCATGGAATCTGGTAGTTCAATTTTACT
 TGNCCAAACTAGTCTGG

Restriction Sites:

NotI-NotI

ACCN:

NM_019040

Insert Size:

3310 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_019040.2, NP_061913.2</u>
RefSeq Size:	2341 bp
RefSeq ORF:	1608 bp
Locus ID:	26610
UniProt ID:	<u>Q96EB1</u>
Cytogenetics:	11p13
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] Transcript Variant: This variant (1) represents the shortest transcript and encodes the shortest protein.