

Product datasheet for **MC205564**

Elp3 (NM_028811) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Elp3 (NM_028811) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Elp3
Synonyms:	2610507P14Rik; KAT9
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC057453
 CCGCCTTCTAAACCGCGGTAACGTGGTGGCATATTGCTACGCCAGCGAAAAGATGAGGCAAAAGAGGAAA
 GGGGACCTCAGCCCGGCTGAGCTGATGATGCTGACTATAGGAGACGTTATCAAGCAGCTGGTTGAAGCTC
 ACGAGCAGGGGAAAGACGTGATCTAAATAAGATGAAAACCAAGACAGCTGCCAAGTATGGCCTTGATC
 CCAGCCCCGCCTGGTGGATATCATCGTGCAGTCCCTCCTCACTATCGAAAGATCTTGATCCAAAGCTA
 AAGCGAAGCCCCTCAGGACTGCCAGTGGGATCGCTGTTGTGGCTGTGATGTGCAAAACCCACAGATGTC
 CACACATCAGTTTACAGGGAATATATGTATATACTGCCCGGAGGACCTGACTCCGATTTTGGATTTC
 AACCCAGTCTTACACGGGCTATGAGCCAACCTCCATGAGAGCTATCCGTGCTAGATATGACCCTTTCTG
 CAGACAAGACACCGGATAGAGCAGCTAAAGCAGCTTGGTCACAGTGTGGATAAAGTGGAGTTCATCGTGA
 TGGGTGGAACGTTTCATGGCCCTCCAGAAGAGTACAGAGATTATTTTCATCCGAAGTTTACACGATGCTTT
 ATCAGGCCATACTTCAAACAATATTCACAGGCAATCAAGTATTCTGAGAGAAGCTTACAAAAGTGTGTT
 GGAATTACAATTGAGACCAGACCTGATTATTGCATGAAGCGGCACCTAAGTGACATGTTGACTTATGGCT
 GCACAAGGCTGGAGATCGGAGTGCAGAGTGTCTATGAAGATGTGGCCAGAGATACCAACAGGGGCCATAC
 TGTGAAGGCAGCGTGTGAATCTTCCACCTGGCCAAAGATTCTGGTTTCAAAGTGGTACGCATATGATG
 CCTGACCTGCCGAACGTGGGACTGGAGAGAGACATTGAGCAGTTTATAGAATTTTTCGAGAACCCCTGCTT
 TTCGTCCTGATGGTTTGAAGCTCTACCCAACCCGTTTATCCGTGGAACGGTCTGTATGAGCTGTGGAA
 ATCAGGAAGATACAGGAGCTATTCTCCCAGTGACCTGATTGAGCTGGTGGCTCGGATCCTAGCCCTGTG
 CCCCCGTGGACTCGTGTGTACCGGGTGCAGAGAGACATCCCAATGCCCTTGTGACTCAGGAGTGGAGC
 ATGGCAACCTGCGAGAGTTGGCATTGCAAGAATGAAGGATCTTGAATACAGTGCCGTGATGTGAGAAC
 CAGGGAGGTTGGAATCCAAGAAATTCATCACAGAGTGCAGGACATACCAGTTCGAGTTGGTACGGAGAGAT
 TATGTTGCCAATGGTGGCTGGGAACTTCCCTGTCTACGAAGATCCTGATCAGGACATTCTAATTGGCC
 TCCTAAGGCTGCGGAAGTGTCTGAGGAAACCTCCGGTTTGAAGTGGTGGAGGTTTCCATAGTCCG
 AGAGCTACACGTGTATGGAAGTGTGGTCCCTGTGAGCAGCCGGGATCCCACTAAATTTTCAGCATAGGGG
 TTGGCATGTCTGCTGATGGAAGAGGCGAGAGAGAATCGCTCGGGAAGAGCATGGATCTGGGAAATGGCAG
 TTATATCAGGGGTGCGCACAAGAAATTAATACCAGAAAGATTGGCTACAGATTACAAGGCCCTATATGGT
 AAAGATGCTAAAAAATGACCACCCAGTCTACCTTCTTGCAGCATCCTCCTGACAGAAGATTCAAGTGC
 AGTCTCAGCAGAGGCTGAGGAGGTAACCGGCTGCACACTCCTGGACGGTCTCTGCCCTCCCCCTGTGG
 TGGCTGCCGCTCACTACTCTGACCCCTGTGACAGAGGCCAAACCCGCTCTTTATGTGCCATGGGGCT
 CTTCTGGCTTTAAGGCTTAAACGATTTTCCAGTTTCTAAATTCTGCATGAAGGCTGCAGGTGACCCATT
 TTGGCTCAGACGCTGTGACCAGAGCAAACTCACTCTTTGGCCATCGTCACTCGTATTGTCATCTGAGG
 GGCAGCCTCGGGAGAAGATTATTTATATATCCAAAGACGAAAGCCAGACTGCAGCACAGACAAGCTGTCA
 GACATGACTCCCTGCCCTTAACTACATGCACATTCACCCCTGGAATTTAGAAAATGAGCTTTGCACTGGA
 AATCTCAGTGGCTGTGCCGTGCTTGAATGTGCTGTGTTTGGAGAAAGAGAGCTGAGGTAGTGGGTTG
 TGTTAATATGCTTATGACCGCCGCTCTAGCCCAATCCTGTGAGAAGCTTGCCTGACCAGGGCCATCT
 TGGAAAGCCTTTCCCTTTGTCTCAGTCTGTGAAAGTCTGTACATCCATACCCTGACACCTGCAGGACAGT
 GTGAACTACCTTACAGATGTGCGGCTAGCTTGTGCCAGCCAGTTCATCTGTCTGAGCAGACATGGTCCA
 GAATCCACAGCTAGAGCCGGAGGCCCTGGTCAGGACCAGTCCATGCTCAGAAGCTTCTCTGCATGTTAGT
 TCTGTAAGTAGGTAGTGTGATGGTGTGCATGAAGAAGTAGGAGTTAGGCTAGTGTGGAAGGAGG
 CCTGTCTGACCTGCATGGAGGGACAAGGGCTTCCAGAGCCTTCATCACCATTGATTTGTCCCTGAGG
 AGGCCAGGCTCTGAGTGACAGCCATCTCGCCTGGGCATCTGCTTTTCCAGCAGTGTGTTGGTGAAGAACT
 GTTCCCTAAAAGGCTGAAAAATAAAGTCTTTAGCATAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_028811

Insert Size: 1644 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:	<ol style="list-style-type: none">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:	<u>BC057453</u> , <u>AAH57453</u>
RefSeq Size:	2792 bp
RefSeq ORF:	1644 bp
Locus ID:	74195
UniProt ID:	<u>Q9CZX0</u>
Cytogenetics:	14 D1
Gene Summary:	<p>Catalytic histone acetyltransferase subunit of the RNA polymerase II elongator complex, which is a component of the RNA polymerase II (Pol II) holoenzyme and is involved in transcriptional elongation. Elongator may play a role in chromatin remodeling and is involved in acetylation of histones H3 and probably H4. Involved in acetylation of alpha-tubulin (By similarity). May also have a methyltransferase activity. Involved in cell migration. Involved in neurogenesis. Regulates the migration and branching of projection neurons in the developing cerebral cortex, through a process depending on alpha-tubulin acetylation (PubMed:19185337). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>