

Product datasheet for **MC202922**

EII (NM_007924) Mouse Untagged Clone

Product data:

| | |
|---------------------------|--------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | EII (NM_007924) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | EII |
| Synonyms: | EII1; Men |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC014816 sequence for NM_007924
 AGATGGCGGCGCTGAAGGAGGCTAGGAGTTACGGGTTGTCGTGTGGGCGCGTGAGCGACGGCAGCAGGGT
 GTCGGTGTTCACGTGAAGCTCACCGACAGTGTCTTTGAAGGCTTTTGAGAGCTACCGGGCCACCAGGAT
 TCTGTGCTACTGAGACCTTCCATCCGATTTGAAGGAAGCCAAGGACACATCTCTATACCCAGCCTGACT
 GCCCAGAGGAGGTGCGGGCCTTCTCCTTCTACCTCTCCAATATTGGCCGCGACAGCCCTCAGGGCAGCTT
 TGATTGCATCCAACAATATGTATCCAGCCATGGGGATGTACACCTGGACTGCCTGGGCAGCATCCAGGAC
 AAGGTCACAGTGTGTCTACTGATGACTCTACCAGAAAGCAGCAGAGCATGGCAGAGGAGGAGG
 AGACTCGAGCCGAAGTGCCATCGTCATTAAGGCTGGAGCCGATACATGGGGAAAAAGGTTTCAGTTTCG
 GAAGCCAGCGCCAGGGCAGCTGATGCAGTACCCTCCCGAAGCGTGCTACCCCAATTAACCTGGCAAGT
 GCCATCAGAAAGAGCAGTGGGAGTGGAGCCAGCAGTGTGGTACAGAGGCCCTTCCGAGATCGGGTGTACT
 ACCTCCTGGCCCTGAGGCCCTACAGGAAGGCTGAGCTGTCTGCGGTTGCAGAAGGATGGGTTGACACA
 GGCAGACAAGGACACCCTGGACAGCCTGCTGCAGCAGGTGGCCAGTGTGAACCCCAAGGATGGCAGCTGC
 ACGCTGCAGGACTGCATGTACAAAAGCCTGCAGAAGGACTGGCCCGGCTACTCTGAGGGGACCGGCAGC
 TGCTGAAGCGCATGCTCATGCGGAAGCTGTGTCAGCCACAGAATGCCACTACAGACTCCAGCCCGCCCG
 AGAGCATGGACGCTCTGCCTCACCTCTCAGAAACGGCCTACAGACTTCATTGACCCCTGGCCAGCAAG
 AAGCCCCGGATCTCACATTTACACAGCGAGCACAACCCACCCTCAATGGCAAATGGGTGCCCCCAATG
 GCCATGAGACACTGCTGCCTGCTCCAGGACCCACCCCATCAGACACCCTCAGCTCTAGCCATCTGCCCC
 ACGGCTGGAGCCCCAAGGACCCACGACCCCTAGCTGATGTCAGTAATGACCTAGGTACAGTACCCAG
 GACTACAAGCACCAGGAAGCCACCCAGCTCCAGCACCCTCTTGGTCTTCCCTGCTGACGGACTTTC
 CTCAGGCTGAGCAACCTACTAGCTCCTCACACCCACAGCCGACCCAAGAAGAAGTCCAAGAAGCACAA
 AGACAAGGAGCGGCCCTGAAGAAAGGCCCCCGCCACAGCCTGATGCACCTACTGCCCTGCACTA
 CCGCCAGATGCCCAGGTCTGAATGGAGCCTGTGACAATGAACCCACATCCTCGTCAGAGACCCCGGACT
 ATTTGTGAAATACCCAGCCATCTCGTGTGAGCAGCGTACAGCTACAAGAATGCTCAATGCTGA
 GTACAGCGAGTACCGCAGTCTGCACGCGAGGATCGAGCAGATCACCCGAGGTTACCCAGCTTGTATGCA
 CAGCTCAGACAGCTGAGCCAGGGCTCTGATGAGTACGAGACAACCCGTTGGGCAAATTTCTCAGGAATACA
 GGAAAAACAAGACCAACACCAACTACAGCTGTGAGAAGCAGCAGTGCGAATACCTGCACCGCAAGCT
 GGCGCACATTAAGAGGCTCATCGCAGAGTATGACCAGCGGCAGCTTACGGCCTGGCCCTAGCACAGACAG
 GCAGACCTGACGGCTCCGCCTGCCTTCTAGTTTTATGAACTCGGCCCTTACTGCGGTAGAGACA
 TCTATTTTGTACCTTTCTACTCGTGCCTCCTCCAAGGCCACGCCTCCAAGTGTAGAAAGCCCAAGG
 GAGAGTGAGCAGCGAGTCCAGGCCCTGCTGCCTTCCAGATCCCCAGCGGACAAGGTTGCTGCAGTTTGT
 GGCTGTGCCCAAAGCCCTTAGCAGCGGCCTCCGCAGCATGTGCTCCTCAGTCCCCAACACTGCCCTTC
 ATGTCACACTGTGGCTGTGTGGTTCTGTCTGTCCCTCCATCCATTTGTGGGTCTGGGATCACCTCCCTG
 CTGGGTCCCACTTGGGGGTGCTGAGGGTGGCACCTTGCTTGCCTTCTCAGGGCGCAGGCTGAGGCC
 CCAATTGCTGCTTCTACTGTGCCTCGTCTCATACCCCAATCCAATCCAAGGGGCCATCAGTGTGCA
 TGTGTCTGTGTGCGTGTACATGTAGTATGAGTGGGTCTCCACACATTAGAGGGGAAGCCATTGGGGAGG
 GGTGGGGGCCACTGCTGTAGGGCAGGAAAGAATGTCAAAGACAGATGTCTATTTTTTAAATGGTGAAG
 ATGTCTTTGGGTGGCTTCCAAGAGCCTGGCTGCCTGGAGGCACCTGCCTGGCACAGTCCCCACCCCA
 GTCAGCTTTAGCTTTCTTTGGGATTCCTAGAGTCCCCAGACCTAGAGGAACCAAGCTTCAATAGAT
 GTTGGTTTCTTCCGGGGCAGGACCAGGCTCTGCATGGTGCACCTCTCTCACAGCTACACTGCGCAGGC
 TCAGGGTAGATCCAGGTTACCCCTCTCCTGCCCTGAGAATCCATCCAGGGCTATTGATTGAAGTATG
 GTATGTTTGAAGTGTCTCGTTGTCTGAGATTTTGTGTCTGTCTGAGATTTGGAAAGGTAGGGCCACAC
 TCTGGGGCTGCAGGTGGTGGCTGGCAGCTTAAGCATGGTCTAACTTATTGGTGTCTCCCGCCTTTGAA
 CTGTGCTGTGGAGAAAGTCTACTTTGAGCCATGGAGTTGGTGTTTACAAAGTCTTCACTTTTGCCAAAC
 GTTACAATTGACAGAGAGGGGTGCCTCCAGGTCCTTTCTAGAGTTTGTCTTGTACACAAAGCAGGT
 GAACCCCAACTTCAAAGTCTATAATAAATTTGATGGAATTTAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_007924
Insert Size: 1809 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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: [BC014816](#), [AAH14816](#)

RefSeq Size: 3066 bp

RefSeq ORF: 1809 bp

Locus ID: 13716

UniProt ID: [O08856](#)

Cytogenetics: 8 B3.3

Gene Summary: Elongation factor component of the super elongation complex (SEC), a complex required to increase the catalytic rate of RNA polymerase II transcription by suppressing transient pausing by the polymerase at multiple sites along the DNA. Specifically required for stimulating the elongation step of RNA polymerase II- and III-dependent snRNA gene transcription. ELL also plays an early role before its assembly into in the SEC complex by stabilizing RNA polymerase II recruitment/initiation and entry into the pause site. Required to stabilize the pre-initiation complex and early elongation. Specifically required for stimulating the elongation step of RNA polymerase II- and III-dependent snRNA gene transcription (By similarity). Elongation factor component of the little elongation complex (LEC), a complex required to regulate small nuclear RNA (snRNA) gene transcription by RNA polymerase II and III (PubMed:22195968).[UniProtKB/Swiss-Prot Function]