

Product datasheet for **MC206061**

E130012A19Rik (BC055770) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E130012A19Rik (BC055770) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	E130012A19Rik
Synonyms:	AA409164; AI413509; AW539173; E13; esPRC2p48
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC055770
 GGAGCCAGCGGGGAAGAAAGAAGCTGAGAGGGCGGAAGGCCCCCTCCCCGCCCTGGGCCCGGGCACCGG
 GCGCCGGGCGGGGTCCTTCCCGCCGGCGGAGCGCCGGCTGCTTTGTTTGCCCCGCCTCGGGCTTGA
 GGGGTGATCGTGCCGGGCATTGCGCCGGGAACGCGGGCAGGAAGCGCGACCGATCGCACCGGGGACGC
 GCGGGGACCCAGGAGTCCGGCCGCGGAGGGCCCGTGACGATACCGAGGAGAGCCGGAGCGCCGCC
 GCGGGCTCTTGGTGGTGGGCCCGGACGCCCGTGAGCACAGACCTCCCCGTGACGGGGGGCGATGTTCC
 CCTGGCCCGCAGGCTCTTCGGGCCCGGGGTATCCCCCGCTTGGGACCAGGGCCCCCGCAGTGGCGCG
 CCCAAGGCTGCTCCATGGAGACTCTGTCTCTCCCGCCTGGCAGTGCCCGCTTCCCGCGGGGT
 CTCCCTGCTCGCTACGCCCTGAAGCCGCGTGGGGGACCCAGAGTTCTCCCCACTGTGCTGCTGTC
 CCTCGCTTCTGCGCCCTTGCCAAACCCGCGCTCCTCCTGGGCTGGGGCTGGAGAGCTGGCGCCG
 CGGACCCCGGTGCTGCTGGGCCCGGCTCGCCATGCACAGGAGGCTGGGCGCGGACGGCTGAAGC
 ACCTCGGGGACAGGCCGGGCGGCGGAGCGACGTGAGCTCCCGGCCCGGAGGATGCAGACGTGCGGT
 GTGCCAGGCGGTGGAGAGGAGGAAGAGGGCGGAGGCGGCTTCCGCACTTGGCGCTGTTCTGCGCA
 CCTCCGGGCCGCTGCCCTGCTCCCTGCGTCTCAGGACTCTCCGACCAACCCCGCTGGTCCCCGCCA
 GGCCAGCCCGGGTCTTGATGCAGTAGCAGTCCGCCCTTGAGCCCGGCTCCCCGCTCGTCCGACC
 TGGGGCTCTCCCCGAGCCTGCGCTTCCGAGCAGCCTGTGCCGCGCTCCGAGCTCCAGGGGTGGA
 GACCCTGCGCCGACCGCGCTGAGGCACCCGCGCTCAGCCCTCGACGGCAGACGACCCGGACCCGC
 CCCGCTCTCCGCCAGGAACATTTCAACCGCCTGATCCGCGCTCGAACTTTGGTGTACGCGAAGGG
 GTTCGCTTGGACTCCAAGTTTGCGCCGAGGGCCGAAACGGCCCGCGGCAAGCCCGTGGAGCAGCC
 AAGAAACGACGGCGGCCAGCGCCCGCCCGCCAGTGTGCAGCCAGCGCGGCCGCTCCCGACGCTTCTTA
 CATCGAGCACCTTCAAGCTCCTTGACTGCTTCCCTGTCCCCAGCTCTGGTGGTGAAGAGAACGGAGA
 CCTAGGGCCGGTCTCTCGCTTCCCTCAGGGAGACGCCAAGCCCGGCTGCCACCCGCTGTGGAAG
 TGGCAGATGGGAGGACCGCTGCTCCCTGAGCCCCGGTCTCAAATCCTGGTGGTCAACTTGAAGAAC
 TATGAGCGTCCGACTCTTCTACCCGGGGCAAGTTGGTTCCCGGACAGACTGAGGGCTCCAGGAGGG
 AGCATCGATTCTGAAATTTGGCTGATCTTTGCTTTGATTTTATGGGCTGTGCCCGCGGACCTCAAAT
 GACAGTGATCTTCAAGCACCCGAGAGGTCGGCTGATGCTCTTTCTACTCATCTTTGTGAAGATCCAAG
 GACTGGCGTCCGGGAAAGCTGCAGAAAGCTTAGTGACCATCTCCGCTCCTCCGCGGGCGGACAGGCC
 TTCACCGCAGGGGACACAGCGGCTAAGGCCGAAAGACCAAAAGAAAGGGACAGAGGGACGGACCTTGGT
 GATGGACAAACCGTTGTTTCCATGTTGAATGAGGGTCAAGTTAGCGGTGTGGGGCTGTGGTTGGGGT
 TTGAAGGTGATTGACAGTCCCTGGGGCATCCCCACCCCGCTGCCAGACCTTTAACCTTTACAC
 CTCCCTCTTTCTCTCCGTAGTCTCCCTCCCAAGTTCAAGTGATTTCCCTTTGTAAGATCTTCAG
 TCCCAGCCAGCAGACTTTACCCTTTGTCCAGTTTGGAGTTTCCCTTTGCCGGAAGGTTGGATGAAGGA
 AAGAGACTCCAGCTCAGCGTTCTCTCACATTTGAGAGGAAAGGAGGAAGAGGGCCATGCTGTGTGG
 CCCAAGGCTGGCTTTGCCGGGGAAGGAGCCAAAACTCCCGGGGAAAATGATGGAAGATGGAATAAATC
 AATAAAATCAGACCAACAAAAAATAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI

ACCN: BC055770

Insert Size: 1110 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: [BC055770](#), [AAH55770](#)

RefSeq Size: 2349 bp

RefSeq ORF: 1110 bp

Locus ID: 103551

Cytogenetics: 11 D

Gene Summary: Scaffold protein that serves as a bridging partner between the PRC2/EED-EZH2 complex and the elongin BC complex: required to fine-tune the transcriptional status of Polycomb group (PcG) target genes in embryonic stem cells (ESCs) (PubMed:27863225, PubMed:27863226). Plays a key role in genomic regions that display both active and repressive chromatin properties in pluripotent stem cells by sustaining low level expression at PcG target genes: acts by recruiting the elongin BC complex, thereby restricting excessive activity of the PRC2/EED-EZH2 complex (PubMed:27863225, PubMed:27863226). Interaction with USP7 promotes deubiquitination of H2B at promoter sites (PubMed:27863226). Acts as a regulator of neuronal differentiation (PubMed:23180766).[UniProtKB/Swiss-Prot Function]