

Product datasheet for **MC201536**

Ik (NM_011879) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ik (NM_011879) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ik
Synonyms:	MuRED
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC029694 sequence for NM_011879
 CGCTGTCTTGTTAGGGGGACATTTTCGCGATTGCGGACGTTGAGAGGCCGCTGCCAAAATGCCAGAACGAG
 ATAGTGAGCCCTTCTCTAACCCCTTTGGCTCCAGATGGCCACGATGTGGATGATCCTCATTCTCCACCA
 ATCAAACTTACCAATGAAGACTTCAGGAACTTCTTATGACCCCAAGAGCTGCACCTACTTCTGCGCCA
 CCTTCTAAGTCACGTACCATGAGATGCCAAGGGAGTACAATGAGGATGAAGACCCAGCTGCACGAAGGA
 GGAAAAAGAAAAGTTATTATGCCAAGCTTCGCCAGCAAGAAATTGAGAGAGAGAGAGAAGTCCGAGAGAA
 ATACCGGGACCGTGCCAAGGAACGGAGAGATGGTGTGAACAAAGACTATGAGGAACTGAGCTGATAAGT
 ACCACAGCCAACACAGGGCTGTGGGCCCACTGCTGAGGCGGACAAATCAGCAGCAGAGAAGAGAAGAC
 AGTTGATTCAGGAGTCCAAATCTTGGGTGGTGATATGGAACACACCCATTTGGTGAAAGGTTTGGATTT
 TGCGTTGCTTCAAAGGTGCGCGCTGAGATTGCCAGCAAAGAGAAGGAGGAAGAGGAACTCATGGAAAAG
 CCCCAAAAGGAAACCAAGAAAGATGAGGATCCTGAGAACAAAATTGAATTTAAACACGCCTTGGCCGGA
 ATGTGTATCGGATGCTTTTCAAGAGTAAATCATATGAGCGAAATGAGCTGTTCTTACCAGGACGTATGGC
 CTATGTAGTAGACCTGGATGATGAGTACGCAGACACAGATATCCCACCCTCTCATACGCAGCAAAGCT
 GATTGCCCACTATGGAGGCCAGACTACACTGACTACAATGACATTGTTATTAGCAAGCTCACCCAGA
 TTTTGTACATACCTGAGGCAGGGACCCGAAACAAGAAGCTCAAGAAGAAGGATAAAGGAAAACCTGGAAGA
 GAAGAAACCTCCTGAGGCTGACATGAACATTTTGAAGACATTGGGGATTACGTTCTTCTACAACCAAG
 ACACCTCGGGACAAGGAACGTGAGAGATACCGGGAACGTGAACGTGATCGGGAACGGGACAGAGACAGGG
 AGCGAGACAGGGAGCGAGACCGTGAGAGGGAGAGAGCGAGACCGGGAACGGGAACGAGAGGAGGAAAA
 GAAAAGGCACAGCTACTTTGAGAAGCCAAAAGTGGATGATGAGCCATGGATGTTGACAAAGGACCTGGA
 TCTGCAAAGAGTTGATCAAGTCCATCAATGAAAAATTCGCTGGGTCTGCTGGCTGGGAAGGCACTGAAT
 CGTTGAAGAAGCCAGAAGATAAGAAGCAGCTGGGCGATTTCTTTGGCATGTCCAACAGTTACGCAGAATG
 CTATCCAGCCACGATGGATGACATGGCTGTAGATAGTGTGAAGAGGTAGATTATAGCAAAATGGACCAG
 GGTAACAAGAAGGTCCTTAGGCCGCTGGGACTTCGATACTCAGGAGGAATACAGCGAGTACATGAACA
 ACAAGGAGGCTCTGCCAAGGCTGCATTCAGTATGGCATCAAGATGTCTGAAGGACGGAAAACCGACCG
 ATTCAAAAGAAACCAATGATAAGGCAGAGCTTGATCGACAGTGGAAGAAAATAAGTCAATCATTGAGAAG
 AGGAAGAGGATGGAAGCAGATGGGGTCGAAGTGAAGAACCAAGTACTAATCTCTAGTTCCAGCTGTCA
 CCACGTGGCTGTTCTTAGTTGCTTCTACAATTCCTCAGACGGTTGCAAACCTGTTGTTGTTGTGAA
 AGTTTATAAATGTTTATTGTATAACTCTTATAGATCTGTGTCCACATGCTAAGATTAATGGCAATGCA
 ACACCATGTCCAGCATGTTCCATTAATGTAGTTAAACCTGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_011879

Insert Size: 1674 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: [BC029694](#), [AAH29694](#)

RefSeq Size: 1965 bp

RefSeq ORF: 1674 bp

Locus ID: 24010

UniProt ID: [Q9Z1M8](#)

Cytogenetics: 18 B2

Gene Summary: Involved in pre-mRNA splicing as a component of the spliceosome. Auxiliary spliceosomal protein that regulates selection of alternative splice sites in a small set of target pre-mRNA species. Required for normal mitotic cell cycle progression. Recruits MAD1L1 and MAD2L1 to kinetochores, and is required to trigger the spindle assembly checkpoint. Required for normal accumulation of SMU1.[UniProtKB/Swiss-Prot Function]