

Product datasheet for **MC201116**

Erlin1 (BC011220) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Erlin1 (BC011220) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Erlin1
Synonyms:	2810439N09Rik; C80197; Keo4; Spfh1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC011220
 CAGTTGGCGGGGCGGGTGGCGGCTGCACGTGCGGGCGGGGGCGATGCGTCACTGACCGGAGGAACAAGG
 ATGAATATGACTCAAGCCCGGCTTCTGGTGGCTGCAGTGGTGGGGTTGGTGGCGATCCTCCTGTACGCCCT
 CCATCCACAAGATCGAAGAGGGACACTTGGCCGTGACTACAGGGGAGGAGCTTTGCTAACGAGCCCCAG
 TGGACCAGGCTATCATATCATGTTGCCTTTCATTACAACATTCAGATCTGTGCAGACAACACTACAAACG
 GATGAAGTTAAAAATGTCCTTGTGGAACAAGTGGTGGAGTCTATGATCTATATTGACCCGAATAGAAGTGG
 TTAATATGTTGGCTCCTTATGCAGTGTGGACATTGTGAGGAACATACTGCAGACTACGACAAGACTTT
 AATCTTCAATAAAAAATCCACCATGAGCTGAACCAAGTTTTCAGTGCACACACTTCAAGAAGTTTACATA
 GAATTGTTTATGATCAAATAGATGAAAACTGAAGCAGGCCCTGCAAAAAGATTTAAACACCATGGCCCCAG
 GTCTCACTATCCAGGCTGTGCGTGTACAAAACCCAAAATCCCAGAAGCCATAAGAAGAAATTTTGAATT
 AATGGAGGCAGAGAAGACAAAACCTTCTCATAGCTGCACAGAAAACAAAAGTGGTGGAGAAAGAAGCTGAG
 ACGGAGAGGAAAAGGGCTGTTATAGAAGCAGAGAAGATTGCACAAGTAGCAAAAATTCGATTTCAACAGA
 AAGTGTAGGAGAAAGAACTGAAAAACGCATTTCTGAGATTGAAGATGCTGCGTTCCTGGCCGAGAGAA
 GCGGAAAGCAGATGCCGAGTATTACGCTGCACACAATAACGCCACCTCAAACAAGCACAACTGACCCCA
 GAGTATCTGGAGCTCAAGAAATACCAGGCCATTGCCTCAAACAGTAAGATCTACTTTGGCAGCAACATCC
 CCAGCATGTTTGTGGACTCCTCCTGTGCTGAAATACTCTGATGGTAGGACTGGGAGAGAAAGACTCCCT
 TCCCCAGAGGAGGCCCTGTGAGCCCTCTGGAGAGAGCCCCATCCAAAACAGGAGAACGCAGGTTGATGC
 AAGAGGTGAAATGTTCTCCCATATCAAGATGCGACCCAAAGGGGCTAAGTGGAAACAGTGGTTATGTGGA
 CTCGTAAGATTACAGAGAATGTGTGCTCTGTTGTGATTCTTTGTCTATAGTCTGGTTTGGCAGCTGAC
 TACAGGATAGACCCAGCTGTCTGGCACTCAAACGGTCTCTGCAGCCACAGTTTTATCAAGTATCCTGTAT
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 GTCAAACACTATATAACAAGCTGTGGTTTTTAAAGCTATTGAATAATGTTTACATTGGTCCCTGAGGAC
 ATGTGTCTCAGACATTCAGAGCTAGGAGGCCAGAGAGAAGACCTTCAGAAAACGGTAAGTAAAGAAAG
 ACAAGTGTATCAGACACTTGGGACCCGGGCTCTCTTAAAGTCTAGTCCCGGCATTCCTCATGTGATT
 GACAGCCAGACCTCTGGGTTCCAGGAAATATCTTCCAGTGAATGACCATTTACTTGATACAAATTTGT
 ACCTTTCTGTTTTCTAGTCAGGTTGGTGGCCTGCAGGGACGCGTACTTTGCCACCCGACCAGAGGTTCC
 TCGAAGATATCCCAATCACTAGTTTATTGCGTTAGGAGACTCAGAGATATAGAAAGCAGCTGAAATTTA
 AGGGAGATAAAGCCTGCACTGCACCAAAGCTACGGGTCCTGTGTTTCTCTATTAGTGTGTCATCAA
 CCTCACTGTCCCAGCCATGTGACTAAAGTCCCGGTTTTAGCCACAGACAACCTGCTTAGATGTCACC
 TCTTGGCTGACCAAAGCTGGGACAGGGCTTAAACCAGACATAGGAGCAGTGTGCAATTCCTGATTCAGT
 CACAGTATTATGCATAATTGCAGGAATATTTTTTGTTTTTTAAACTGGATTTGGGGCACATTCATTCA
 CCCAACACTTCTATCTAAAGGCCAAGGTTCTAGGGCTGCTATGGTCACTAACACACTGATTCCTCTAA
 AGTAATCTCGAAGTGTGGAACAAAGTACCGAGACAGCATCCTCAGTCACTTTGTCTCCTTCCCTGGG
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 CCCAGCTTGTGACAGCTCTGTGTACTGTGTTGAAGCCAGACAGAAAAGTAATGGGGCCACTTCTGA
 AACCTCTCAGCTGTTGATCTCACAGCAGCTAAAGGGTTGTGCCAACATTTTATTAAGAAAGTAAAGCCC
 AGATTTGAATGGGGTTTTCCCTAGGCCTTATAGTATAGAGGCATTTGTAATATGGAGAAAATAATTTTT
 CTCATTTAATTATAGAAATTACCTTCAAACAGATTTTGTGTTCTTTGGCCCTTCAAATACTGGTGTACA
 TTGTTGCTGCAGATAAATGATGATTGTCGTGGGATATCTGGATCACTGAGCTCTGTGCTTTCATTCTAG
 AGATGTTTCTATTCCCATTAGTAAAATGCTGTTGCCCAAAGTATGTTGTGGGATTCTTACCAGGT
 CATAGGCCCGGTGAGGAGCAGGGAAGCGCCATTGTGAAAGATTAAGAAAGCACTTCCACTTGAGCTCC
 TTATGGAGTGAGCTTCCCTGTGCCCACTCAGTGAACCTAAGTCTGACCATCCTTCAGGACGTTCTTTTG
 GTAATAATACACTGTAATCTTAAAGTCTAAATTTATATGTGAAAGTAACTTTTTTAAAAACCTAAATA
 AAATTTTCTATCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: BC011220
Insert Size: 1041 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:	BC011220 , AAH11220
RefSeq Size:	3127 bp
RefSeq ORF:	1041 bp
Locus ID:	226144
Cytogenetics:	19 C3
Gene Summary:	Component of the ERLIN1/ERLIN2 complex which mediates the endoplasmic reticulum-associated degradation (ERAD) of inositol 1,4,5-trisphosphate receptors (IP3Rs). Involved in regulation of cellular cholesterol homeostasis by regulation the SREBP signaling pathway. Binds cholesterol and may promote ER retention of the SCAP-SREBF complex (By similarity). [UniProtKB/Swiss-Prot Function]