

Product datasheet for **MC218744**

Erlin1 (NM_145502) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Erlin1 (NM_145502) Mouse Untagged Clone
Tag: Tag Free
Symbol: Erlin1
Synonyms: 2810439N09Rik; C80197; Keo4; Spfh1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC218744 representing NM_145502
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAATATGACTCAAGCCCGCTTCTGGTGGCTGCAGTGGTGGGTTGGTGGCGATCCTCCTGTACGCCT
CCATCCACAAGATCGAAGAGGGACACTTGGCCGTGTACTACAGGGGAGGAGCTTTGCTAACGAGCCCGAG
TGGACCAGGCTATCATATCATGTTGCCTTTCATTACAACATTCAGATCTGTGCAGACAACACTACAAACG
GATGAAGTTAAAAATGTGCCTTGTGGAACAAGTGGTGGAGTCATGATCTATATTGACCGAATAGAAGTGG
TTAATATGTTGGCTCCTTATGCAGTGTGGACATTGTGAGGAAGTATACTGCAGACTACGACAAGACTTT
AATCTTCAATAAAATCCACCATGAGCTGAACAGTTTTGTCAGTGCACACACTTCAAGAAGTTTACATA
GAATTGTTTGTCAAATAGATGAAAACCTGAAGCAGGCCCTGCAAAAAGATTTAAACACCATGGCCCGAG
GTCTCACTATCCAGGCTGTGCCTGTACAAAACCCAAAATCCAGAAAGCCATAAGAAGAAATTTGAATT
AATGGAGGCAGAGAAGACAAAACCTTCTCATAGCTGCACAGAAAACAAAAGGTGGTGGAGAAAGAAGCTGAG
ACGGAGAGGAAAAGGGCTGTTATAGAAGCAGAGAAGATTGCACAAGTAGCAAAAATTCGATTTCAACAGA
AAGTGATGGAGAAAAGAACTGAAAACGCATTTCTGAGATTGAAGATGCTGCGTTCTGGCCCGAGAGAG
GGCAAAAAGCAGATGCCGAGTATTACGCTGCACACAAAATACGCCACCTCAAACAAGCACAACACTGACCCCA
GAGTATCTGGAGCTCAAGAAATACCAGGCCATTGCCTCAAACAGTAAGATCTACTTTGGCAGCAACATCC
CCAGCATGTTTGTGGACTCCTCCTGTGCTCTGAAATACTCTGATGGTAGGACTGGGAGAGAAGACTCCCT
TCCCCAGAGGAGGCCCGTGGAGCCTCTGGAGAGAGCCCCATCCAAAACAAGGAGAACGCAGGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_145502



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Insert Size:	1047 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>NM_145502.3</u> , <u>NP_663477.3</u>
RefSeq Size:	3349 bp
RefSeq ORF:	1047 bp
Locus ID:	226144
UniProt ID:	<u>Q91X78</u>
Cytogenetics:	19 C3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. All three variants encode the same protein.</p>