

Product datasheet for **MC202666**

Ezr (NM_009510) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ezr (NM_009510) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ezr
Synonyms:	AW146364; p81; R75297; Vil2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC048181 sequence for NM_009510
 CGCCTGCAGGTCCCGACGCGTCTCCGCCGTCGCCGTCGCCGTCGCCGTCGCCGTCAGCCGAATAGCCGA
 GGACCCACGCAGAGCCACCAACCAGCAAGATGCCCAAGCCAATCAACGTCCGGGTGACCACCATGGATG
 CCGAGCTGGAGTTTGCCATCCAGCCAAACACCACCGGGAAGCAGCTCTTTGATCAGGTGGTAAAGACGAT
 TGGCCTCCGGGAAGTGTGGTACTTCGCCCTCCAGTATGTAGACAATAAAGGATTTCTACCTGGCTGAAA
 CTTGATAAAAAGGTCTCCGCACAGGAGGTCCGAAAGGAGAACCCTGTCCAGTTTAAATTCGGGCCAAGT
 TCTACCCCGAAGACGTGGCCGAGAACTCATCCAGGACATCACACAGAAGCTCTTCTTCCGCAAGTCAA
 GGACGGGATCCTCAGCGACGAGATCTACTGCCCCAGAGACAGCGTGCCTGGGCTCCTATGCCGTT
 CAGGCCAAGTTCGAGATTATAACAAGGAAATGCACAAGTCTGGGTACCTCAGCTCGGAGCGGCTGATCC
 CCCAGAGAGTCATGGACCAACACAAGCTCAGCAGGGACCAGTGGGAGGACCGGATCCAGGTGTGGCACGC
 GGAACACCCGAGGGATGCTCAAGGACAGTGTATGCTAGAATACCTGAAGATTGCCAGGACCTGGAAATG
 TATGGGATCAACTATTTGAGATCAAAAACAAGAAAGGAACAGACCTTTGGCTTGGAGTCGATGCCCTTG
 GACTTAACATTTATGAGAAAGATGACAAGTTGACCCCAAAGATCGGCTTCCCTTGGAGTGAGATCAGGAA
 CATCTCTTTCAACGACAAGAAGTTTGTCTTAAGCCCATCGACAAGAAGGCACCTGACTTTGTGTTCTAC
 GCCCGCGCCTGAGAATTAACAAGCGGATCCTGCAGCTCTGCATGGGGAACCATGAGCTGTACATGCCCC
 GCAGGAAGCCCGACACCATCGAGGTGCAGCAGATGAAGGCCAGGCTCGGGAGGAGAAGCACCAGAAAGCA
 GCTAGAGCGACAGCAGTTGGAACCCGAGAAGAAGAGGCGAGAGACGGTGGAGAGAGAAAAGGAGCAGATG
 CTCCGGGAGAAGGAGGAGCTGATGCTTCGGCTGCAGGACTACGAGCAGAAGACCAAGAGGGCGGAGAAAAG
 AGCTCTCCGAGCAGATTGAGAAGGCCCTCAACTGGAGGAAGAGAGGAGGCGAGCCAGGAGGAGGCTGA
 ACGTCTGGAGGCCGACCCATGGCCGCCCTGCGGGCCAAGGAAGAAGTTCGAGAGACAGGCGCAGGATCAG
 ATAAAGAGCCAGGAGCAGCTGGCTGCAGAGTGGCAGAGTACACGGCCAAGATCGCACTGCTGGAGGAGG
 CGCGGAGGCGCAAGGAGGACGAGGTAGAAGAGTGGCAGCACCGGGCTAAAGAAGCCAGGACGACCTGGT
 GAAGACCAAAGAGGAGCTGCACCTGGTGTGACGGCCCCACCGCCCCACCGCCCCAGTGTATGAGCCT
 GTGAATTAACACGTGCAGGAGGGACTGCAGGACGAGGGAGCAGAGCCTATGGGCTACAGTGCCGAGCTCT
 CCAAGTGGGGCATCCTGGATGACCGCAACGAGGAGAAGCGGATCACAGAGGCAGAGAAGAATGAGCGCT
 GCAGCGCAGCTGCTGACCTGAGCAATGAGTTGTCCCAGGCCGGGATGAGAACAAGAGGACCCACAAT
 GACATCATCCACAACGAGAACATGCGGCAAGGCAGGGACAAGTATAAGACGCTGCGGCAAAATCAGGCAGG
 GCAACACCAAGCAACGCATTGACGAGTTCGAGGCCATGTAGAGGCCAGGCTGGGACCAAGGGCAGAGGGC
 ACCTCACTGCAGGACAGTGCACACTTGGCTCTTAGTTCTCTTAAGTTTACACACCCCTTGTGTGTT
 CCAGTCCCTTAAAGAGCAGTTACGGGGCTGCATTCTGCCCGAGACCCAGTGGGCTCCTCCTTGGTTCC
 TTCTAATTGTATACATAGTGCCAAACAGGTGAGATTTAATGACAGTTACCGAATCACTTCTGTGTTGGA
 GCAGGGATTTCGGAGGGCTGGCCCTCATGAAGCAAGATTCAATTGCTACTGGGACAGCACTGTGGCTACGG
 GTGCCATACTTTTCTCTAGTTTTACAATGAGCTCAAATCGATTTTGTCTTGATTTTTATGAAGGATCCA
 TCTCTGTGATTGAGGGGTAATAATGATTTTGAATTTGAGTCTAAAGCATGCCCCACAGAGTCTCCTT
 CCTCCAGACCGCTGGCAGAGTCTCCAGGGTCTCCTCAGAGTGTACGGTACAGGACTCTCCGATACAAAAT
 TCTCATGCTTATCTGTTAGCATAACATTGTTGGACTTATATCTAATGATCTGCTATAGAGGATAGTATT
 TATATATAAGCGATAATATGGGTTTGTAAACATTAGTTTTAAAAAGGGAAAGTTTTGTTCTGTATATTTT
 GTTACCTTTTACAGAATAAAGAATTCAACATTAAGAACCATGTAACCGAGACACTTGATCTGACACAGG
 GGCAGTCGGGAAACCGATGACTGCAGTAATCACCAGTGTACAAAAATGTTAGTGGGTTTTGTGCACGTAA
 AATGCACACTTCCATTTCTGTGAGTTTTCTTATTTGAAAAAAAAAAAAATACACACCGAGAGCATCCAGAC
 TCCAGCCCTGAAGGGACGCCGCTCTTTATTGTGAGCAACTTGTCCCGTTTTTCAGTTTGTCTTCTTCTC
 CTTTCGCGGACTAGCCTCCTTGGTTGTGATGTCTGTCTGTGCGGGTACTCCGCACCAGATTTACACAC
 AATAAAAGCTCTCAAGGCAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI
ACCN: NM_009510
Insert Size: 1761 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: [BC048181](#), [AAH48181](#)

RefSeq Size: 2914 bp

RefSeq ORF: 1761 bp

Locus ID: 22350

UniProt ID: [P26040](#)

Cytogenetics: 17 A1

Gene Summary: Probably involved in connections of major cytoskeletal structures to the plasma membrane. In epithelial cells, required for the formation of microvilli and membrane ruffles on the apical pole. Along with PLEKHG6, required for normal macropinocytosis (By similarity).
[UniProtKB/Swiss-Prot Function]