

Product datasheet for **RR212289**

Ezr (NM_019357) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ezr (NM_019357) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ezr
Synonyms:	Vil2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR212289 representing NM_019357
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCAAGCCAATCAACGTCCGCTGACCACCATGGATGCAGAGCTGGAGTTTCCATCCAGCCAAACA
 CCACCGGAAGCAGCTCTTTGATCAGGTGGTAAAGACCATTGGCCTCCGGGAAGTGGTACTTCGGCCT
 CCAGTATGTAGACAATAAAGATTCTACCTGGCTGAAACTTGATAAAAAGGTCTCTGCACAGGAGTT
 CGAAAGGAGAACCCTGTCCAGTTCAAATCCGGGCCAAGTTCTACCCGAGGATGTGGTGATGAGCTCA
 TCCAGGACATCACACAGAAGCTTCTTCTGCAAGTCAAGGAAGGGATCCTCAGCGATGAGATCTACTG
 CCCCCAGAGACAGCCGTCTCTGGGGTCTATGCCGTTGAGGCCAAGTTCGGAGATTATAACAAGGAA
 ATGCACAAGTCTGGGTACCTCAGCTCCGAGAGACTTATCCCTCAGAGAGTATGGACCAGCACAGCTCA
 GCAGGACAGTGGGAGGACCGGATCCAGGTGTGGCACGACAACCCGAGGGATGCTCAAGGACAGTGC
 TATGCTCGAATACCTGAAGATTGCCAGGACCTGAAAATGTATGGGATCAACTATTTTCGAGATCAAAAAC
 AAGAAAGGAACAGATCTTTGGCTTGGAGTGGATGCCCTTGGACTTAACATTTATGAGAAAGATGACAAGT
 TGACCCCGAAGATCGGCTTCCCTTGGAGTGAATCAGGAACATCTCTTTCAACGACAAGAAGTTTGTTCAT
 CAAGCCCATCGACAAGAAGGCTCCTGACTTCGTGTTCTACGCTCCCCGCTGAGAATTAACAAGCGGATT
 CTGCAGCTCTGCATGGGAACACGAGCTGTACATGCGCCGAGGAAAGCCGACACCATCGAGGTGCAGC
 AGATGAAGGCCAGGCTCGGGAGGAGAAGCACCAGAAGCAGCTGGAGCGACAACAGTTGGAACCCGAGAA
 GAAGAGGAGAGAACTGTAGAGAGAGAAAAGGAACAGATGCTCCGGGAGAAGGAAGAGCTGATGCTTCGG
 CTGCAGGACTTTGAGCAGAAGACCAAGAGGGCAGAGAAAGAGCTCTCCGAGCAGATTGAGAAGGCCCTCC
 AGCTGGAGAAGAGAGGAGGCGAGCCAGGAGGAGGCTGAACGCTCTGGAGGCCAGCCGATGGCCGCCCT
 GCGGGCCAAGGAAGAACTGGAGAGACAGGCACAGGATCAGATAAAGAGCCAGGAGCAGCTGGCTGCAGAG
 CTGGCAGAGTATACTGCCAAGATTGCCCTGCTGGAGGAGCACGAGGCCAAGGAGGACGAGGTGGAGG
 AGTGGCAGCACCGGGCTAAAGAGGCCAGGACGACCTGGTGAAGACAAAGAGGAGCTGCACCTGGTGT
 GACGGCTCCCCGCCCCACCCCGCCCGTGTACGAGCCCGTGAATTACCAGTGCAGGAGGGGCTGCAG
 GATGAGGGAGCAGAGCCCATGGCTACAGTGCCGAGCTCTCCAGCGAGGGCATCCTGGACACCGTAACG
 AGGAGAAGCGGATCACCGAGGCAGAGAAGAAGCAGCGCTGCAGCGCAGCTGCTGACTCTGAGCAATGA
 GTTGTCCAGGCCGGGATGAGAATAAGAGGACCCACAATGACATCATCCACAATGAGAATGCGGCCAA
 GGCCGGGACAAGTATAAGACGCTGCGGCAGATCAGGCAGGGCAACACCAAGCAGCGCATCGACGAGTTTG
 AGGCCATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212289 representing NM_019357
 Red=Cloning site Green=Tags(s)

MPKPINVRVTMDAELEFAIQPNTTGKQLFDQVVKTIIGLREVWYFGLQYVDNKGFPWLKLDKKVSAQEV
 RKENPVQFKFRAKFPYEDVADEL IQDITQKLFLLQVKEGILSDEIYCPPEAVLLGSYAVQAKFGDYNKE
 MHKSGYLSSERLIPQRVMDQHKLSRDQWEDRIQVWHAHRGMLKDSAMLEYLKI AQDLEMYGINYFEIKN
 KKGTDLWLGV DALGLNIYEKDDKLT PKIGFPWSEIRNISFNKFKV I KPIDKKAPDFV F YAPRLRINKRI
 LQLCMGNHEL YMRRRKPD TIEVQMQKAQAREEKHQKQLERQQL ETEKKRRETVEREKEQMLREKEELMLR
 LQDFEQTKRAEKEL SEQIEKALQLEEERRRAQEEAERLEADRMAALRAKEELERQAQDQIKSQEQLAAE
 LAEYTAKIALLEEARRRKEDEVEEWQHRAKEAQDDL VKTKEELHLVMTAPPPPPPVYEPVNYHVQEG LQ
 DEGAEPMGYSAEL SSEGILDDRNEEKRITEAEKNERVQRQLL T LSNEL SQARDENKRTHNDI IHNENMRQ
 GRDKYKTLRQIRQGNTKQRIDEFEAM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

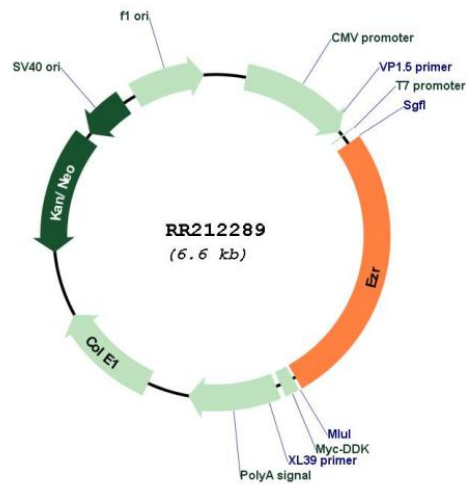
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_019357

ORF Size: 1758 bp

OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_019357.1 , NP_062230.1
RefSeq Size:	2973 bp
RefSeq ORF:	1761 bp
Locus ID:	54319
UniProt ID:	P31977
Cytogenetics:	1q11
MW:	69.4 kDa
Gene Summary:	connects the microvillar cytoskeleton to the plasma membrane [RGD, Feb 2006]