

Product datasheet for **MR215169**

Erich6 (NM_001081262) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Erich6
Synonyms:	4932431H17Rik; Fam194a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >MR215169 representing NM_001081262
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCGCCCGCTCAGGGAGTGCGGAAGCCTGGAAGAGGAACACAAAGTCAAAAAGCCAGATAAAGCCT
 CGAAGGGAAAAGAGATGGTAGAGGCAGAGAAAGCGCAGAAGATGCAGAGAGAGCAGGGGAGGAGTTGGA
 GCAGGAGGGACAGGAGGAGGAGGTGGAGGAAGAGGAAAAGGAGGAGGCCAAGGAGGAGCAGGGAGCT
 CAGGAGGAGCAGGAGGGCAGGAGGCTCAGGGGGTGCAAGGGTGGGATGATAGGGAGGGCCAGCCGACAGG
 AAAGCCAGAACCTGTTCCCTGAGTCGTTGAACGAAGAAGACATCTGGAAGCCATAGGCCCCAGTGAAGG
 CTTTGACGAAGACTCACCAGAAATTCGTCCCGCTTAATTAGCGTGGTCAGCCCCAGCCTGAGCACTATG
 TCCCGCCAGCAAGGTGTCCAGCCCTCGTGGGGCAAGAGGAGCCGCTGCCGCTGCCGCACAGGGAGG
 GCTCTCTCTGCTCCAGCAGCGGCTCGTCCACAAAAGCTATCCCAAATATTTCAAACATTTAAAAA
 GGACTTGTCTGAAGTACTGTAGATAGAGACATGTATCCAAGTTTGTATGAAAGAGTTCAGATGTCAGTA
 CAAACAGAAAGATGAAAGTTGGCTTCAACGAATTTCTGCTAAAAAGCAGATAAAAAGAATACCATCTATTG
 AGATAACGGAACACTGCCACAACTCAAGCTTCTATGTTAAGAGAAAATTGGGTAATTAATCCTGAAGA
 GCCCAAGCTAAGCATTTTATGTGAGATGGAGTTAATGAAGACTTTGTAATTTGTTTGAACTTCTCTA
 AGGACGTTACCCAGCGTTGGGCCACCGCCATTCTGTCCTTTAGGAAAGAGTACTCGTATATGGATGTGA
 ACTTTAAGGATGAACAAGAGCTGGAACCCACGTGTGAATTTTGTGGAAGTGATCTACGGTCAATTGTTTTT
 TAAGATGGACACTTCTCTGAAAACATTCAAAACCAACCAAAATCATATAGGTGCTGCTGCTTCACTTT
 CAAAATCTTCTTGATTATCAACAGGAAATGCTAACCATCAAACCCCTGCGCTGGAGTTAATCAGCA
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 CATTAATTTTCTAGCTATGGGCCAACAGGCAACAATCAGCCTTGAACCAAGTAATGCTCCATGATCCA
 GAGGAGGTTCCAGCCCTGTGTTCTGAGTGGAGACGACCTTCTGCTGTTGGCCAACTTAATAAAGATCC
 GGCGATTGTTCAATAAGCTGGAAGGATGCATGAATTTCCCATAAGTCAGGCTTGGGAAAAGTTAAGCA
 ACCTCCCTACCTTTCTTCACTCTCTTAAACTACTTGCCCTCTGCCATAATTCTGGCATAACAGCAAAAA
 ACAATGGAACAATTATAGATCTAATAAAAAGAGAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215169 representing NM_001081262

Red=Cloning site Green=Tags(s)

MRPRQGVKPGKRNKTSKKPKDKASKGKEMVEAEKAQKMQRQEGEELEQEGQEEVEEEEEKEEEAKEEQGA
QEEQEGGQAQGVQGWDDREGQPQESQNLFPESLNEEDIWKAIGPSEGFDEDSPEFRPRLISVSPSLSTM
SPPSKVSSPSWGEEELPLPHREGSPASSGSHKSYPKIFQTFKKDLSEVTVDRDMYPSLYERVQMSV
QTEDESWLQRISAKKQIKRIPSIEITETLPQTQASMLRENWVINPEEPKLSILCEMFNEDFVNLFETSL
RTLPSVGPPAILSFRKEYSYMDEVNFKDEQELEPTCEFCGSDLRSLFFKMDTSSSENIQTKPKSYRCCCLQF
QNLLDYINEEMLTIKPPALELISISPHAAYGSDIDRLKAKEKALQKKQERQMARHFAIISHDQSPTTTDD
GKTFVTDALIEIKTYSQNSITQREAGNILKYSFPCSAFPSWLNFTCEQSVCTDLIHEMRCVYFGFDAS
VDGTILLTYPGSLAIIRLPNKTDGFICIIQEDTPTNPTILALFDSSGRSSCYHPNGNVVYINILGGQY
SDQAGNRIRTNWSSSTMPSSSFVSFKPVFLALNRYIGIRILEQDKVSNINFLAMGQQATISLGTKVMLHDP
EEVPALWFLSGDDLALLANLIKIRRLFNKLEGCMNFPISQAWKELKQPPYLSLKLALLCHNSIGIQKQ
TMETIIDLIKEE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

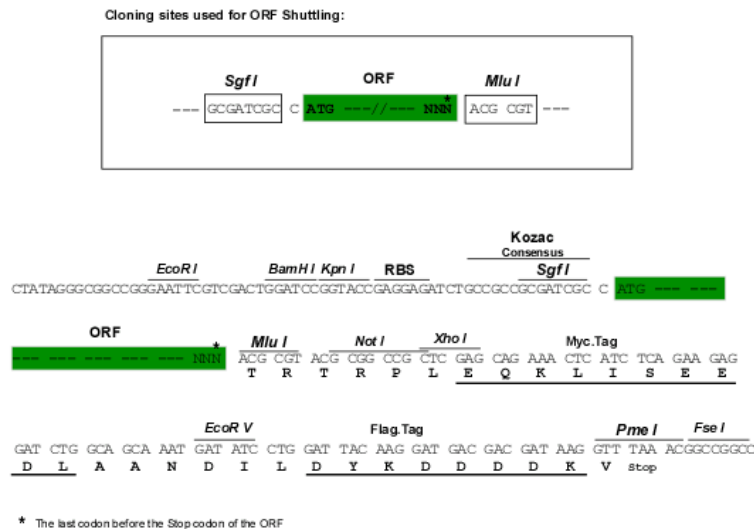
Chromatograms:

https://cdn.origene.com/chromatograms/mm9105_a07.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001081262

ORF Size:

2139 bp

OTI Disclaimer:

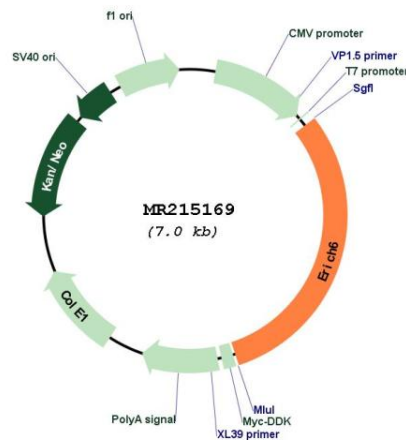
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001081262.1</u> , <u>NP_001074731.1</u>
RefSeq Size:	2195 bp
RefSeq ORF:	2142 bp
Locus ID:	545527
UniProt ID:	<u>D3Z6S9</u>
Cytogenetics:	3 D
MW:	80.9 kDa

Product images:



Circular map for MR215169