

Product datasheet for **RR203934**

Erp29 (NM_053961) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Erp29 (NM_053961) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Erp29
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR203934 representing NM_053961 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCCGCCGTTCTGGCGCGTTTCGCTCTCCCACTGCTGTCCGTTCTCCTTGGCCTGCTGCTCC
TCTCTGCTCCTCATGGCGCCAGCGCCTGCACACGAAGGGCGCCCTTCCCTTGGACACAGTCACTTTCTA
CAAGGTCATTCCAAAAGCAAGTTCGTCTTGGTGAAGTTCGACACCCAGTACCCCTATGGAGAGAAGCAA
GATGAGTTTAAGCGTCTGGCTGAGAAGTCAAGCTCCAGCGATGATCTCTTGGTGGCAGAGGTGGGGATCT
CAGACTATGGTGACAAGCTGAACATGGAGCTGAGTGAGAAGTACAAGCTGGACAAAGAGAGCTACCCAGT
CTTCTACCTCTTCCGGGATGGGGACTTTGAGAATCCTGTCCCATAACAGCGGGGCAGTTAAAGTTGGAGCC
ATCCAGCGCTGGCTCAAGGGGCAGGGAGTCTATCTGGGCATGCCTGGATGTCTGCCTGCGTACGATGCC
TGGCGGGCCAGTTCATCGAGGCCCTCCAGCAGAGAGGCCCGCCAGGCCATCCTGAAACAGGGGCAGGATGG
CCTCTCAGGTGTGAAGGAGACAGACAAGAAGTGGGCCAGTCAGTACCTGAAGATCATGGGAAGATCTTG
GACCAAGGTGAAGACTTCCCGCCTCCGAGCTGGCCCGGATCAGTAAGCTCATTGAGAACAAGATGAGTG
AGGTAAGAAGGAAGAGCTGCAGAGGAGCCTCAACATCCTCACCGCCTTCCGCAAGAAAGCGCCGAGAA
GGAGGAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203934 representing NM_053961
 Red=Cloning site Green=Tags(s)

MAAAVPGAVSLSPLLSVLLGLLLL SAPHGASGLHTKGALPLDVTVFYKVIKPKSFVLVKFDTQYPYGEKQ
 DEFKRLAENSASSDLLVAEVI SDYGDKLNME LSEKYLDKESYPVFYLF RDGDFENPVPYSGAVKVG A
 IQRWLKQGQVYLGMPGCLPAYDALAGQF IEASSREARQA I LKQGQDGLSGVKETDKK WASQYLKIMGKIL
 DQGEDFPASELARISKLIENKMSEGKKEELQRSLNILTAFRKKGAEKEEL

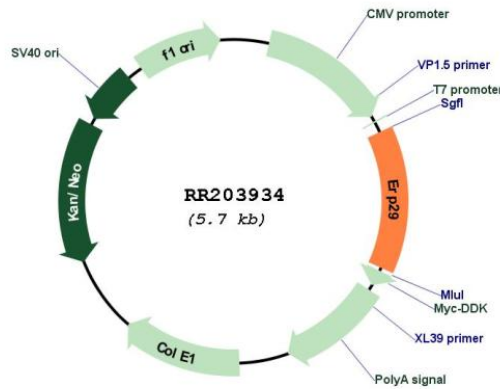
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053961

ORF Size: 780 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_053961.2 , NP_446413.1
RefSeq Size:	1117 bp
RefSeq ORF:	783 bp
Locus ID:	117030
UniProt ID:	P52555
Cytogenetics:	12q16
MW:	28.6 kDa
Gene Summary:	may play a role in folding or secretion of thyroglobulin [RGD, Feb 2006]