OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RR212686

Erg (NM_133397) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Erg (NM_133397) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Erg
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212686 representing NM_133397 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCAGCACTATTAAGGAGGCCTTGTCAGTTGTGAGCAAGGACCAGTCACTATTTGAGTGTGCCTACG
GAACGCCACACCTGGCTAAGACAGAAATGACCGCATCCTCTTCCAGTGACTATGGCCAGACATCCAAGAT
GAGTCCCAGAGTCCCACAACAGGACTGGCTGTCTCAGCCCCCAGCCAGGGTCACCATCAAGATGGAGTGC
AACCCTAGCCAGGTGAACGGTTCCAGGAACTCACCTGACGAATGCAGTGTGACCAAAGGTGGGAAGATGG
TGGGCAGCCCTGATACTGTGGGAATGAGCTACGGCAGCTACATGGAGGAGAAGCACATGCCGCCCCCCAA
TATGACCACGAATGAACGCAGAGTGATCGTCCCTGCAGATCCTACTCTGTGGAGCACAGACCATGTCCGG
CAGTGGCTGGAGTGGGCAGTGAAAGAATACGGCCTCCTAGACGTGGACGTCTTATTATTTCAGAATATTG
ACGGGAAGGAGCTGTGCAAGATGACAAAAGATGACTTCCAGAGGCTCACTCCGAGCTACAATGCCGACAT
TCTTCTCTCACATCTCCACTACCTCAGAGAGACTCCCCTTCCACATCTGACATCCGACGACGTTGATAAG
GCTTTACAAAACTCTCCACGGTTAATGCATGCTAGAAACACAGATTTACCTTATGAGCCTCCCAGGAGAT
CAACCTGGACCGGCCACAGCCACCCCACCCCTCAGTCCAAAGCTGCCCAGCCATCTCCCTCCACAGTGCC
CAAAACTGAAGACCAGCGTCCTCAGTTAGATCCTTACCAGATCCTGGGACCCACCAGTAGTCGCCTTGCT
AATCCAGGTAGTGGCCAGATCCAGCTGTGGCAGTTCCTGCTAGAACTCCTGTCTGACAGCTCCAACTCCA
ACTGCATCACCTGGGAAGGCACCAACGGGGAGTTCAAGATGACAGACCCGGATGAGGTGGCTCGGCGCTG
GGGGGAGCGGAAGAGCAAGCCCAACATGAACTATGACAAACTCAGCCGTGCCCTCCGCTACTACTACGAC
AAAAACATCATGACCAAGGTGCACGGGAAGCGCTATGCCTACAAGTTTGACTTCCACGGGATTGCCCAGG
CCCTGCAGCCCCATCCCCCCGAGTCGTCCCTGTACAAGTACCCCTCCGACCTGCCGTACATGGGCTCCTA
TCACACCCACCCCCAGAAGATGAACTTTGTGGCTCCCCACCCTCCGGCCCTCCCAGTCACATCTTCCAGT
TTCTTTGCTACCCCGAACCCATACTGGAATTCGCCGACTGGGGGCATCTACCCGAACACTAGGCTCCCAG
CCAGCCATATGCCCTCTCACCTGGGCACCTACTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

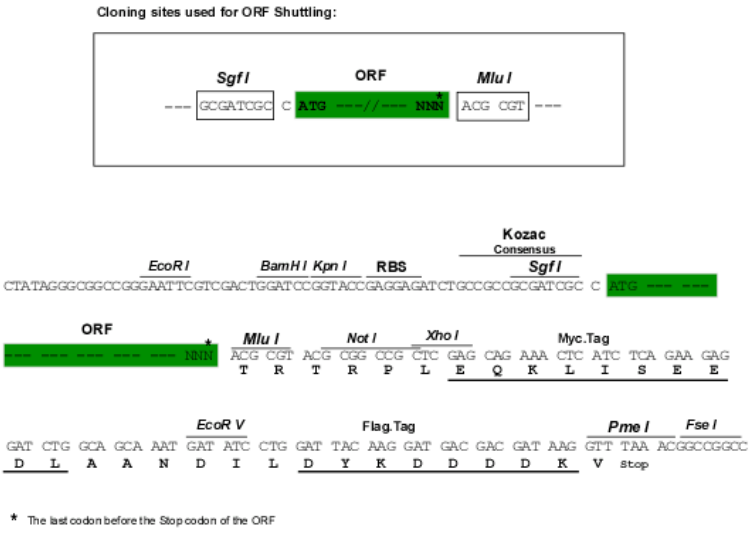
>RR212686 representing NM_133397
Red=Cloning site Green=Tags(s)

MASTIKEALSVVSKDQSLFECAYGTPHLAKTEMTASSSSDYGQTSKMSPRVPQQDWLSQPPARVTIKMEC
NPSQVNGSRNSPDECSVTKGGKMVGSPDTVGMSYGSYMEEKHMPPPNMTTNERRVIVPADPTLWSTDHVR
QWLEWAVKEYGLLDVDVLLFQNIDGKELCKMTKDDFQRLTPSYNADILLSHLHYLRETPLPHLTSDDVDK
ALQNSPRLMHARNTDLPYEPPRRSTWTGHSHPTPQSKAAQPSPSTVPKTEDQRPQLDPYQILGPTSSRLA
NPGSGQIQLWQFLLELLSDSSNSNCITWEGTNGEFKMTDPDEVARRWGERKSKPNMNYDKLSRALRYYYD
KNIMTKVHGKRYAYKFDFHGIAQALQPHPPESSLYKYPSDLPYMGSYHTHPQKMNFVAPHPPALPVTSSS
FFATPNPYWNSPTGGIYPNTRLPASHMPSHLGTYY

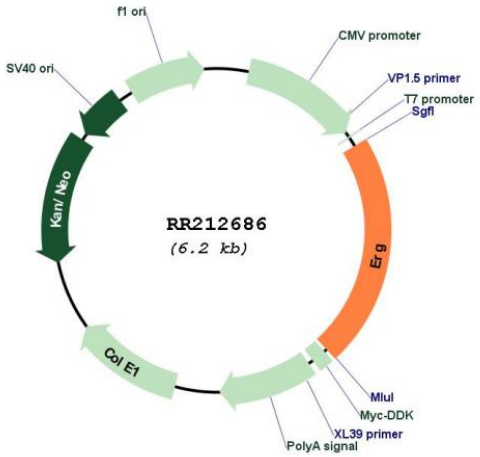
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_133397
ORF Size:	1365 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.
RefSeq:	NM_133397.2, NP_596888.1
RefSeq Size:	1805 bp
RefSeq ORF:	1368 bp
Locus ID:	170909
Cytogenetics:	11q11
MW:	51.4 kDa
Gene Summary:	human homolog may act as a transcriptional activator [RGD, Feb 2006]