

Product datasheet for **RR206184**

Ereg (NM_021689) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ereg (NM_021689) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ereg
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206184 representing NM_021689
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGAGACTTTCCCCGCGCTTGGGTCCTGGCACTGCTTTGCCTTGGTCCACCTTCTACAAGCAGTTA
TCAGCACAAACCGTGATCCGTCATGTATCCCAGAAGAATCCGAGGATAACTGTACAGCTTTAGTTCAAAT
GGAAGACGATCCCCGTGTGGCGCAAGTGTGATTACAAAGTGTAGCTCTGACATGGACGGCTACTGCTTG
CATGGACACTGTATCTACTGTTGGTGGACATGAGCGAGAAAATACTGCAGATGTGAAGTGGGCTACACTGGTC
TGCGGTGTGAACACTTCTTTCTGACTGTTCAACAGCCCTTGAGCAGAGAATACGTTGCATTGACCGTGAT
TCTCGTTTTCTTTCTTATTGTAAGTCTGGATCCATGTAATTTCTGCAGATGGTACAGAAATCGC
AAAAGTAAAAATCAAGGGAAGAATACGAGAGAGTGACCTCAGGGGGCCAGGGTTGCCACAAGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206184 representing NM_021689
Red=Cloning site Green=Tags(s)

METFPAAWVLALLCLGSHLLQAVISTTVIPSCIPSEEDNCTALVQMEDDPRVAQVLITKSSDMDGYCL
HGHCIIYLVDMSEKYCRCEVGYTGLRCEHFFLTVHQPLSREYVALTVILVFLIVTAGSMYYFCRWYRNR
KSKKSREEYERVTSGGGLPQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

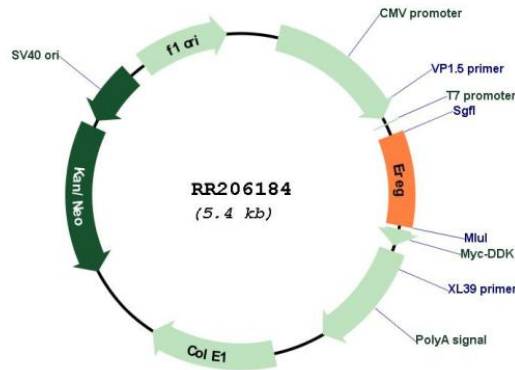


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Cloning Scheme:



Plasmid Map:



ACCN:

NM_021689

ORF Size:

486 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:	<u>NM_021689.1</u> , <u>NP_067721.1</u>
RefSeq Size:	834 bp
RefSeq ORF:	489 bp
Locus ID:	59325
UniProt ID:	<u>Q9Z0L5</u>
Cytogenetics:	14p22
MW:	18.4 kDa
Gene Summary:	may play a role in vascular smooth muscle cell proliferation and vascular remodeling stimulated by vasoactive agonists [RGD, Feb 2006]