

## Product datasheet for **RR216897**

### Erf (NM\_001170335) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Erf (NM_001170335) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Erf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RR216897 representing NM\_001170335  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGACCCAGCGGACACAGGGTTTGCCTTCCAGATTGGCCCTACAAGCCGGAGTCATCCCCTGGCT  
 CGAGGCAGATCCAGCTGTGGCACTTTATCTTGGAGCTGCTTCGAAAGAGGAGTACCAGGGCGTCATCGC  
 CTGGCAGGGAGACTACGGGAATTTGTCATCAAGGACCCTGATGAGGTGGCCGACTCTGGGGGTCGCG  
 AAGTGCAAACCCAGATGAACTACGACAAGCTGAGCCGGGCCCTGCGCTATTACTATAACAAGCGCATT  
 TGCACAAGACCAAGGGGAAACGGTTACCTACAAGTTCAACTTCAACAACTGGTGTGTTAATTACCC  
 TTTTCATCGATGTGGGGCTGGCCGGGGCGCTGTCCCCAGAGTGCCCTCCAGTGCATCGGGCGGACG  
 CATTTCGCTTCCCTCCTCGACGCCCTCCGAGGTGCTGTCCCCACCGAGGATCCCGCTCTCCACCAG  
 CTTGTTCTTCATCGTCTTCTCTCTTCTCCGCTGTGGTTGCTCGACGCTGGCCGAGGCTCTGTGAG  
 CGACTGCAGTGTGGCACCTCAGAGCTGGAGGAGCCTCTGGGGGAGGACCCAGGGCAGCACCACCTGGC  
 CCTCCGGAGCTGGGTGCCTTCGAGGGCCCCGCTGGCCCGCTCCACATGATCCTGGTGTCTTCCGTTG  
 TCTATCCTCGGCCTCGGGTGGTCTGAACCCCTAAGTCCCTTCCCTGTGTACCTTTGGCTGGGCCTGG  
 CTCCCCTTACCCCTCAACTCTCCCAGCTCTGCCATGACTCCCACCCACCTGGCCTACACACCTCA  
 CCCACGCTGAGTCTATGTACCCAGTGGTGGCGGGGCCCTAGTGGCTCAGGGGGGGTTCCCCTTCT  
 CCTTCAGTCCGGAGGACATGAAACGGTACCTGCAGGCCACACCCAAAGCGTCTACAACCTACCACCTCAG  
 TCCCCGCGCTTCTGCACTATCCAGGGCTGGTGGTGGCCAGCCTCAGCGCCCTGACAAGTGCCCACTG  
 CCGCCCATGGCACCGGAGACCCCGCGTTCCCTCCTCAGCCTCGTCTTCTTCTTCTTCTTCTTCTTCT  
 CGTTCAAGTTTAAAGCTGCAGCACCCCGCTAGGACCCCGCAGCGGGCAGCTGGAGAGAAGGCTCCAGG  
 GGGCACTGACAAGAGCAGTGTAGTGGCTCTGGTGGGCTGGCCGAGGGGGCAGGCGCATTAGCCCCC  
 CCACCGCCACCACCCAGATTAAGGTGGAACCCATCTCAGAGGGCGAGTCGGAGGAGGTGGAGGTGA  
 CTGACATCAGTGACGAAGATGAGGAAGATGGGGAGGTGTTCAAGACCCCGTGGCCACCCGCTCCCC  
 CAAGCCAGAGCCTGGAGAGGCACCGGGCAGCCAGTGCATGCCTTTAAACTGCGCTTTAAAGGCGC  
 TGGAGTGAAGACTGTCGCTGGAGGGGGCGGGTGCCTCTCTGGGGCCCTGAGGATGAGGGTGAAGACA  
 AGAAGGTGCGTGGGGACATGGGCCCTGGGGAGCCTGGGGGACCCCTCACTCCTCGCGAGTGAGCTCTGA  
 TCTCCAGCACGCTACAGCCAGCTCTCCCTGGAGCACCAGATTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR216897 representing NM\_001170335  
 Red=Cloning site Green=Tags(s)

MKTPADTGFAFPDWAYKPESSPGSRQIQLWHFIELELLRKEEYQGVIAWQGDYGEFVIKDPDEVARLWGV  
 KCKPQMNYDKLSRALRYYYNKRILHKTKGRFTYKFNFNKLVVNYPFIDVGLAGGAVPQSAPPVPSGGS  
 HFRFPSTPSEVLSPTEDPRSPACSSSSSLFSAVVARRLGRGSVSDCSGDTSELEEPLGEDPRARPPG  
 PPELGAFRGPPLARLPHDPGVFRVYPRPRGGPEPLSPFPVSPLAGPGLLPPQLSPALPMTPTHAYTPS  
 PTLSPMYPSSGGGPGSGGGSHFSFSPEDMKRYLQAHTQSVYNYHLSPRAFLHYPLVVPQQRDPDKPL  
 PPMAPETPPVPSSASSSSSSSPFKFLQPPPLGRRQRAAGEKAPGGTDKSSDGSGLAEGAGALAP  
 PPPPPQIKVEPISEGESEEVETDISDEDEEDGEVFKTPRAPPAPPKPEPGEAPGAAQCMLKLRFKRR  
 WSEDCRLEGGGCLSGGPEDEGEDKKVRGDMGPEGGPLTPRRVSSDLQHATAQLSLEHRDS

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001170335

**ORF Size:** 1656 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\\_001170335.1](#), [NP\\_001163806.1](#)
**RefSeq Size:** 3711 bp

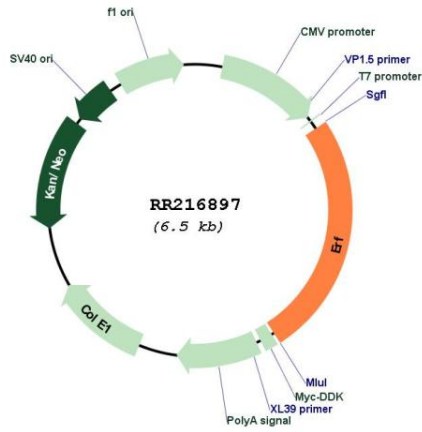
**RefSeq ORF:** 1659 bp

**Locus ID:** 292721

**Cytogenetics:** 1q21

**MW:** 59.2 kDa

Product images:



Circular map for RR216897