

Product datasheet for **RR205614**

Edrf1 (NM_001107557) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Edrf1 (NM_001107557) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Edrf1
Synonyms:	RGD1306820
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR205614 representing NM_001107557 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGATGGGGACCCCAAGGAAGCAGGAGCCGAGGCTTCTCCATCAGGGGCGGCCGCCGAGGAGGGCTCA
 GCCTCCTATCCCAGACGGAATCCGAGGAGCCTTCTGCACAGGGTCAGCCTTATTTCTTGGAGGCAATGA
 AGTGAAGGCGGAGCTGTGGTGAATACTCTTCTGCCCTCCTCGAACAGCATTTCACGCTCTCGAAGAA
 AAAACAGACTTGAACTCCACCTGCCAACTGGTACGAGAGAGTGCCAACTAGGGCCGCGAGGAATA
 CCATTCTTGGCAATAGTAAGAAAAGCAAGCCGTTTTCGAGTTTCGGCATGGCATATGACTTCATTGACTC
 GGTGGGAAATGATGTGGATGTTGTCTCTGACTCGGAAAACATAAAAAAGCTCCTGAAGATTCCTACAGC
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 AACTCTTTATGAGGTCTCTCAGACTGGTGATTGGACATGGTTGAAAGAGTTCTATCAAAGACTGATTGA
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GACTCCCCTTTAAATGAGAATTCAGATGAAAGCTACAGTGAGGAGGAGGAGGAGGAGATGGCGGACA
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Protein Sequence: >RR205614 representing NM_001107557
 Red=Cloning site Green=Tags(s)

MMGDPKEAGAEASPSGAAARGGLSLLSQTESEEPSAQGSALFLGGNEVKSRAVVKYSSAPPRTAFARLEE
 KTDLKLPPANWLRESAKLGPAGTTILGNSKSKPFSFGMAYDFIDSVGNDVDVSDSENIKKLLKIPYS
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 EEIPNLENSNFSTKVIKDIAQNILSFLKSNCTKEGHTYWLKASSSDIVKLYDLTTLCEETEDKYQNPFT
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 ATARQPLCQYRAATIIHRLASMYHSLRNQVGDEHLRKQHRVLADLHYSKAAKLFQLLKDAPCELLRVQL
 ERVAFAEFQMSSQNSNVGKLKTLGALDIMVRTEHAFQLIRKELVEECDQPKNDEATPAADSSPNLNREE
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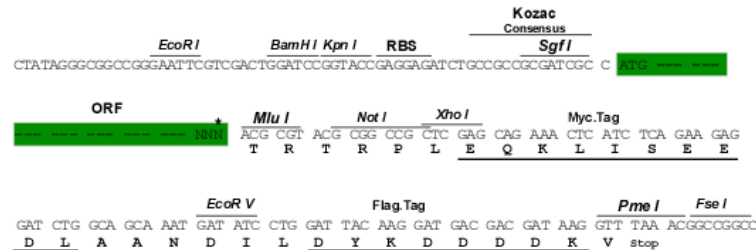
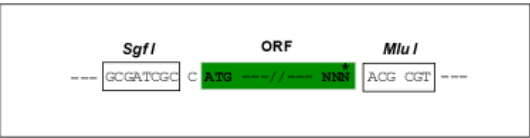
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Cloning Scheme:

Sgfl-MluI

Cloning sites used for ORF Shuttling:



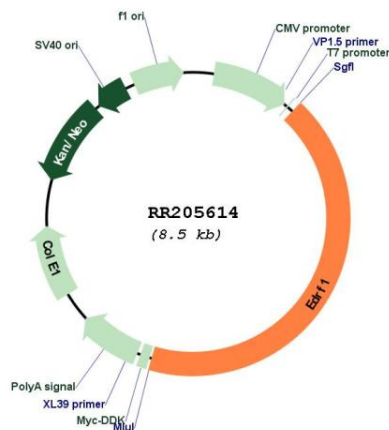
* The last codon before the Stop codon of the ORF

ACCN: NM_001107557

ORF Size: 3624 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:	<u>NM_001107557.1, NP_001101027.1</u>
RefSeq Size:	5203 bp
RefSeq ORF:	3627 bp
Locus ID:	309069
Cytogenetics:	1q41
MW:	135.5 kDa

Product images:



Circular map for RR205614