

Product datasheet for **RG214401**

RERE (NM_001042682) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RERE (NM_001042682) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RERE
Synonyms:	ARG; ARP; ATN1L; DNB1; NEDBEH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214401 representing NM_001042682 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCAAACCCGTC AAGGAAGAGGATGATGGGCTCAGTGGGAAGCATAGCATGAGGACACGGCGGAGTC
GGGGCTCGATGTCGACACTACGCAGTGGTCGGAAGAAGCAGCCAGCCAGCCCTGATGGTCGCACCTCACC
CATCAATGAAGACATCCGCTCCAGCGGCCGGAACCTCCCCAGCGCTGCCAGTACCTCCAGCAATGACAGT
AAAGCAGAGACAGTGAAGAAGTCGGCCAAGAAGGTGAAGGAGGAAGCCTCTTCCCCTCTTAAGAGTAACA
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CACAGGCTCCACAGCGCCTGTTCCCCACACCCACATCCAACAGGCACCGGCCTTGACCCCCAGCGGCC
GCCCTCACCGCATCCCCCGCGCATCCCTCGCCACATCCCCCGCTGCAGCCTCTGACTGGGTCGGCGGGC
CAGCCTTCTGCACCTCTCATGCCAGCCCCCACTGCACGGTCAGGGCCACCCGCCCCACAGCCTGC
AGGCTGGGCCCCCTGTGTCAGCACCCAGGCCCCCCACAGCCCTTTGGCCTCCCTCCCGAGGCCTCCCAAGG
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CCTCCCATCACCCCTCCGACCTGCCCTCCACCTCTACCCACCGGGGGGACCTGGCACCTCGGGCCAGC
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 CAGTGGCTGCATGGACACCCCATGCATGGTGGCCACCTACCAAGTCAGGAAGATTATTACAGTCGAC
 TGAAGAAAGAAGGTGACAAGCAGTTA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

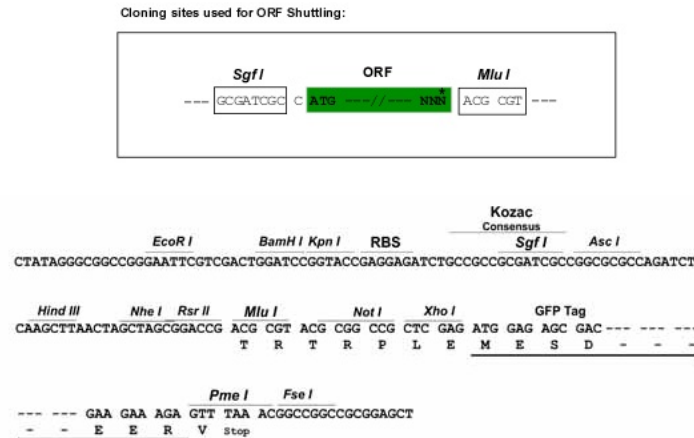
>RG214401 representing NM_001042682
 Red=Cloning site Green=Tags(s)

MFKPVKEEDDGLSGKHSMTRRSRGSMSTLRSGRKKQPASPDGRTSPINEDIRSSGRNPSAASTSSNDS
 KAETVKKSAAKVKEEASSPLKSNKRQREKVASDTEEADRTSSKTKTQEISRPNSPSEGESESSDSRSVN
 DEGSSDPKIDIDQNRSTSPSIPSPQDNESSDSSAQQMLQAQPPALQAPTGVTPAPSSAPPQTPQLPTP
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 TLSEYARPHVMSPTNRNHPFYMLNPTDLLAYHMPGLYNVDPTIRERELREREIREREIRERELRERMK
 PGFEVKPELDPLHPAANPMEHFAHRSALTIPPTAGPHPFASFHPLNPLERERLALAGPQLRPEMSYPD
 RLAAERIHAERMASLTS DPLARLQMFNVTPHHQHSHIHSHLHLHQDPLHQGSAGPVHPLVDPLTAGPH
 LARFPYPPGTLPNPLLQPPHEHEMLRHPVFGTPYPRDLPGAIPPPMSAAHQLQAMHAQSAELQLAMEQ
 QWLHGHPHMHGHLPSQEDYYSRLLKEGDKQL

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001042682

ORF Size: 3036 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:

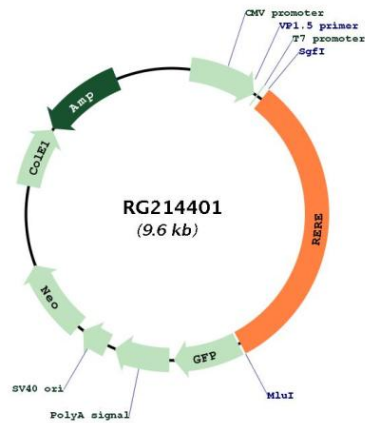
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_001042682.2](#)

RefSeq Size: 6321 bp

RefSeq ORF:	3039 bp
Locus ID:	473
UniProt ID:	Q9P2R6
Cytogenetics:	1p36.23
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a member of the atrophin family of arginine-glutamic acid (RE) dipeptide repeat-containing proteins. The encoded protein co-localizes with a transcription factor in the nucleus, and its overexpression triggers apoptosis. A similar protein in mouse associates with histone deacetylase and is thought to function as a transcriptional co-repressor during embryonic development. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG214401