

## Product datasheet for **SC311494**

### RERE (NM\_001042682) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RERE (NM\_001042682) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** RERE  
**Synonyms:** ARG; ARP; ATN1L; DNB1; NEDBEH  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001042682, the custom clone sequence may differ by one or more nucleotides

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ATGTTCAAACCCGTCAAGGAAGAGGATGATGGGCTCAGTGGGAAGCATAGCATGAGGACA
CGGCGGAGTCGGGGCTCGATGTCGACACTACGCAGTGGTCGGAAGAAGCAGCCAGCCAGC
CCTGATGGTCGCACCTCACCCATCAATGAAGACATCCGCTCCAGCGGGCCGAACTCCCC
AGCGCTGCCAGTACCTCCAGCAATGACAGTAAAGCAGAGACAGTGAAGAAGTCGGCCAAG
AAGGTGAAGGAGGAAGCCTCTTCCCTCTTAAGAGTAACAAACGCCAGCGGGAGAAGGTG
GCCTCTGATACGGAGGAGGCTGACAGGACCAGCTCCAAGAAGACAAAAACGCAGGAGATC
AGCAGGCCAACTCGCCATCTGAAGGTGAGGGAGAGAGTTCAGACAGTCGCAGCGTCAAC
GATGAGGGTAGCAGTGACCCAAAGACATCGACCAGGACAATCGCAGCAGTCCCGGAGC
ATCCCCAGCCCCAGGACAATGAGAGTGACTCGGACTCGTCAGCCAGCAGCAGATGCTG
CAGGCCAGCCCCAGCCTTGCAGGCTCCCACTGGGGTCACCCCAGCTCCCTCCTCAGCT
CCTCCAGGGACCCCTCAGCTGCCACGCCAGGGCCACGCCCTCTGCCACTGCAGTTCC
CCACAGGGCTCCCCACGGCCTCCAGGCCCTAACAGCCACAGGCTCCCACAGCGCCT
GTTCCCAACACCCACATCCAACAGGCACCGCCTTGACCCCCAGCGGCCCCCTCACCG
CATCCCCGCGCATCCCTCGCCACATCCCCGCTGCAGCCTCTGACTGGGTCGGCGGGC
CAGCCTTCTGCACCTCTCATGCCAGCCCCACTGCACGGTCAGGGCCACCCGCCCC
CACAGCCTGCAGGCTGGGCCCTGTGTCAGCACCCAGGCCCCACAGCCCTTTGGCCTC
CCTCCCCAGGCCCTCCAAGGCCAGGCCCTCTGGGGACCTCCCCAGCAGCAGCGTACCCT
CACACCTCCCTGCAGTGCCAGCCTCTCAGTCAGCGCTGCAGTCCCAACAGCCTCCACGG
GAGCAGCCCTGCCACCAGCGCCCTTGCCATGCCCCACATCAAGCCCCCGCCTACCACT
CCCATCCCCAGCTGCCGGGCCACAGGCCACAAGCACCTCCCCACCTCTCGGGGCC
TCACCTTCTCCATGAATGCCAACCTGCCTCCCCCTCCAGCCCTGAAGCCCTGAGCTCC
CTGTCCACACATACCCCCGTCGGCTCACCCCCACCCCTGCAACTCATGCCTCAGAGC
CAGCCATTGCCCTCTCGCCCGCCAGCCCCCGGGCTGACCCAGAGCCAGAACCTGCC
CGCCCCCTGCCTCCACCCCCCTACAGGCCTCCACCAGTGGCCCCCAACCCCGTTT
GCTCAGCACCCCTTTGTCCCTGGAGGCCCTCTCCCATACCCCTCCGACCTGCCCTCC
ACCTTACCCACCGCGGGACCTGGCACCTCGGCCAGCCACCCTGCTCTGGTGGCGGG
GCTTCAGGAGGCAGCATAGCGGGGGGTCTGCTGCCCCACTCCCCACCGTCCAGATCAAG
GAGGAGGCTCTGGACGACGCTGAGGAGCCTGAGAGCCCCCTCCCCACCAAGGAGCCCG
TCCCCGGAGCCACTGTGGTGGACACCCCAAGTCACGCCAGCCAGTCAGTAGGTTCTAC

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AACACCTGGACCGGGCTACAACCTCGTGTGCCCGACAGACCTGTACTTCATGCCTCTG
GCCGGTCCAAGCTGGCCAAGAAGAGGGAGGAGGCCATTGAGAAGGCCAAGCGGAGGCT
GAGCAGAAAGCCCGAGAGGAGCGAGAGCGGGAGAAGGAGAAGGAGAAGGAGCGGGAGCGG
GAGCGAGAGCGGGAGCGCGAGGCCAGAGCGGGCGGCTAAGGCGTCCAGCTCAGCGCATGAA
GGTCGCCTCAGTGACCCACAGCTCAGTGGTCTTGCCACATGCGGCCATCCTTCGAGCCA
CCACCAACCACCATTTGCTGTGTGCCCCCTACATCGGGCCCGACACACCTGCCCTTCGG
ACTCTGAGCGAGTACGCCCGGCCACGTCATGTGCCCCACCAACCGCAACCACCCCTTC
TACATGCCCTTAACCCACGGACCCCTGCTGGCTACCACATGCCTGGCTCTACAAC
GTCGACCCACCATCCGCGAGCGGGAGCTCCGGGAGCGGGAGATCCGAGAGCGGGAGATC
CGAGAGCGGGAGCTGCGGGAGAGGATGAAGCCGGGCTTCGAGGTGAAGCCCCAGAGCTG
GACCCCTGCACCCAGCCGCAACCCCATGGAGCACTTTGCCCGCACAGCGCCCTACC
ATCCCCCGACCGCGGGCCCCACCTTTTGTCTTTCCACCGGGCTGAACCCCTTG
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AGACTGGCAGCCGAGCGTATCCACGCAGAGCGCATGGCATCGCTGACCAGCGATCCCTG
GCCCGACTGCAGATGTTCAACGTGACTCCGCACCATCACCAGCACTCTCACATTCCTCC
CACCTCCACCTCCACCAGCAGGACCCCTCCACCAAGTTTCAGCAGGCCCGTTACCCG
CTGGTCGACCCCTGACTGCCGGTCCCCACCTGGCTCGCTTCCCTACCCGCTGGCACT
CTCCCCAACCTCTGCTTGACAGCCCCACACGAGCAGAGATGCTTCGCCACCCAGTT
TTCGGCACCCCTACCCCGTGACTGCTGGGGCCATCCACCCCCATGTCAGCAGCC
CACCAGCTGCAGGCCATGCATGCCAGTCGGCCGAGCTGCAGAGACTGGCCATGGAGCAG
CAGTGGCTGCATGGACACCCCATGCATGGTGGCCACCTACCAAGTCAGGAAGATTAT
TACAGTCGACTGAAGAAAGAAGGTGACAAGCAGTTATAA
    
```

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_001042682

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:**

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_001042682.1](#), [NP\\_001036147.1](#)
**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]

Transcript Variant: This variant (3) contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region, compared to variant 1. The resulting isoform (b) has a shorter N-terminus when compared to isoform a.