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Product datasheet for SC309407

RERE (NM_012102) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RERE (NM_012102) Human Untagged Clone
Tag:	Tag Free
Symbol:	RERE
Synonyms:	ARG; ARP; ATN1L; DNB1; NEDBEH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC309407 representing NM_012102.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACAGCGGACAAAGACAAAGACAAAGACAAAGAGAAGGACCGGGACCGAGACCGGGACCGAGAGAGA
GAGAAAAGAGACAAAGCAAGAGAGAGTGAGAATTCAAGGCCACGCCGGAGCTGTACCTTGGAAGGAGGA
GCCAAAAATTATGCTGAGAGTGATCACAGTGAAGACGAGGACAATGACAACAATAGTGCCACCGCAGAG
GAGTCCACGAAGAAGAATAAGAAGAAACCACCGAAAAAAAAGTCTCGTTATGAAAGGACAGATACCGGT
GAGATAACATCCTACATCACTGAAGATGATGTGGTCTACAGACCAGGAGACTGTGTGTATATCGAGAGT
CGGAGGCCAAACACACCGTATTTCATCTGTAGCATTCAAGACTTCAAACTGGTCCACAACTCCCAGGCC
TGTTGCAGATCTCCAACTCCTGCTTTGTGTGACCCCCCAGCATGCTCTCTGCCGGTGGCATCACAGCCA
CCACAGCATCTTTCTGAAGCCGGGAGAGGGCCTGTAGGGAGTAAGAGGGACCATCTCCTCATGAACGTC
AAATGGTACTACCGTCAATCTGAGGTTCCAGATTCTGTGTATCAGCATTTGGTTCAGGATCGACATAAT
GAAAATGACTCTGGAAGAGAACTTGTCATTACAGACCCAGTTATCAAGAACCGAGAGCTCTTCATTTCT
GATTACGTTGACACTTACCATGCTGCTGCCCTTAGAGGGAAGTGTAACATCTCCCATTTTTCTGACATA
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AGGAGGCTGAACAGTACCCAGGGGGAGATTCGTGTCGGTCCTAGTCATCAGGCCAAACTTCCAGATCTG
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AACGACTGTGACCTCCTTATGTACTTGAGGGCAGCAAGGAGCATGGCGGCATTTGCAGGAATGTGTGAT
GGAGGCTCTACAGAGGACGGCTGTGTCGCAGCCTCTCGGGATGACACCACTCTGAATGCACTGAACACA
CTGCATGAAAGCGGTTACGATGCTGGCAAAGCCCTGCAGCGCCTGGTGAAGAAGCCTGTGCCCAAGCTC
ATCGAGAAGTGCTGGACCGAGGACGAAGTGAAACGCTTCGTTAAGGGACTCAGGCAGTACGGGAAGAAC
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GACCTAAGTTCAGCCAGTGAAGATGACTTCGACAGTGAGGACAGTGAGCAGGAGCTGAAGGGGTACGCC

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TGCCGCCACTGCTTCACCACCACCTCCAAAGATTGGCACCACGGAGGCCGGGAGAACATCCTGCTTTGC
ACCGACTGTCGCATCCACTTCAAGAAATACGGTGAGCTCCCGCCCATTGAGAAGCCCGTGGACCCGCCA
CCGTTTATGTTCAAACCCGTCAAGGAAGAGGATGATGGGCTCAGTGGGAAGCATAGCATGAGGACACGG
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GCCCACAAGCACCCTCCCCACCTCTCGGGGCCCTCACCCTTCTCCATGAATGCCAACCTGCCTCCCCCT
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CTCATGCCTCAGAGCCAGCCATTGCCCTCCTCGCCCGCCCAGCCCCCCGGGCTGACCCAGAGCCAGAAC
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CCGGCGGGACCTGGCACCTCGGCCCAGCCACCCTGCTCTGGTGCGGCGGCTTCAGGAGGCAGCATAGCG
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AGCCAGTCAGCTAGGTTCTACAAACACCTGGACCGGGGCTACAACTCGTGTGCCCGGACAGACCTGTAC
TTCATGCCTCTGGCCGGGTCCAAGCTGGCCAAGAAGAGGGAGGAGGCCATTGAGAAGGCCAAGCGCGAG
GCTGAGCAGAAAGCCCGAGAGGAGCGAGAGCGGGAGAAGGAGAAGGAGAAGGAGCGGGAGCGGGAGCGA
GAGCGGGAGCGCGAGGCAGAGCGGGCGGCTAAGGCGTCCAGCTCAGCGCATGAAGGTCGCCTCAGTGAC
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TCGCCCACCAACCGCAACCACCCCTTCTACATGCCCCTTAACCCCACGGACCCCCTGCTGGCCTACCAC
ATGCCTGGCCTCTACAACGTCGACCCCACCATCCGCGAGCGGGAGCTCCGGGAGCGGGAGATCCGAGAG
CGGGAGATCCGAGAGCGGGAGCTGCGGGAGAGGATGAAGCCGGGCTTCGAGGTGAAGCCCCCAGAGCTG
GACCCCCTGCACCCAGCCGCCAACCCCATGGAGCACTTTGCCCGGCACAGCGCCCTCACCATCCCCCCG
ACCGCCGGGCCCCACCCTTTTGCTTCTTTCCACCCGGGCCTGAACCCCTTGGAGAGGGAGAGACTGGCC
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GAGCGCATGGCATCGCTGACCAGCGATCCCCTGGCCCGACTGCAGATGTTCAACGTGACTCCGCACCAT
CACCAGCACTCTCACATTCACTCCCACCTCCACCTCCACCAGCAGGACCCCCTCCACCAAGGTTCAGCA
GGCCCCGTTCACCCGCTGGTCGACCCCCTGACTGCCGGTCCCCACCTGGCTCGCTTCCCCTACCCGCCT
GGCACTCTCCCCAACCCTCTGCTTGGACAGCCCCCACACGAGCACGAGATGCTTCGCCACCCAGTTTTC
GGCACCCCCTACCCCCGTGACCTGCCTGGGGCCATCCCACCCCCCATGTCAGCAGCCCACCAGCTGCAG
GCCATGCATGCCCAGTCGGCCGAGCTGCAGAGACTGGCCATGGAGCAGCAGTGGCTGCATGGACACCCC
CACATGCATGGTGGCCACCTACCAAGTCAGGAAGATTATTACAGTCGACTGAAGAAAGAAGGTGACAAG
CAGTTATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_012102

Insert Size:	4701 bp
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_012102.3
RefSeq Size:	8207 bp
RefSeq ORF:	4701 bp
Locus ID:	473
UniProt ID:	Q9P2R6
Cytogenetics:	1p36.23
Domains:	GATA, ELM2, myb_DNA-binding, BAH, Atrophin-1
Protein Families:	Transcription Factors
MW:	172.4 kDa
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 (1) represents the longest transcript. Variants 1 and 2 encode the same isoform (a).