

Product datasheet for SC314215

RNF157 (AK091467) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: RNF157 (AK091467) Human Untagged Clone

Tag: Tag Free

Symbol: RNF157

Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for AK091467, the custom clone sequence may differ by one or more nucleotides

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ATGGGAGGAGAGAAGTTTGAAGTCACTCATCTGAAGTTACCTGTTTGGAGAGAACAGC
GATCTGAAGTTTCTGGGGAACAGACAGTTGTGTTTCTTACGCCGCCACCTCCCAA
GAACCCGTGAAGACTCTGAGAAGCCTGGTCAATATCCGAAAGGACACACTGAGGCTCGTC
AAATGTGCTGAGGAAGTGAAGAGCCCTGGAGAAGAGGCCAGTAAAGCTAAAGTCCACTAC
AATGTTGAGTTACCTTTGACACAGATGCTCGGGTAGCCATCACCATCTATTACCAGGCC
ACGGAAGAGTTCCAGAATGGTATTGCCAGCTACATTCCCAAAGACAACAGCCTCCAGTCG
GAGACTGTGCAGTACAAGCGAGGAGTGTGTGAGCAGTTCTGCCTGCCCTCCACACCGTG
GATCCCTCCGAGTGGGCCGAAGAGGAGCTTGGCTTTGATTTAGACCGAGAAGTTTACCCT
CTAGTGGTACATGCCGTGGTGGATGAAGGAGACGAGTATTTGGCCATTGCCATGTACTG
CTGGGTACTTTTGAAGCACACAGATGGAACCTTTCTGTGTCAAGCCCCTCAAACAGAAA
CAAGTAGTAGACGGGTGAGTACCTCCTTCAGGAGATCTATGGAATTGAAAACAAGTAC
AACACACAAGATTCTAAGGTGGCTGAAGACGAAGTGAGTGATAACAGTCCGAGTGTGTG
GTGTGTCTCTCGGATGTCCGGGACACCTTGATTCTGCCCTGTGCCACCTCTGCCTCTGT
AACACCTGTGCAGACACGCTGCGCTACCAGGCCAACAACTGCCCCATCTGCCGACTGCC
TTCCGGGCACTGCTTCAGATCCGAGCCATGAGGAAAAAATTGGGCCCTTGTCCCAACC
AGCTTTAACCCCATCATCTCATCCAGACATCTGACTCTGAAGAGCATCCATCCTCAGAG
AATATTCACCCAGGCTATGAAGTAGTATCTCTTCTGGAGGCCCTCAACGGGCCCTCACC
CCGTCCCCAGCAGTTCTCCACTTCACGTGCTTGGAGATGGCCACCTCTCAGGAATGCTC
CCTTCATATGGCAGTGATGGCCACCTGCCCCCGTCAGGACGATCTCGCCTCTTGACCGC
CTGTCTGACAGCAGCAGTCAAGGACTCAAACTCAAAAAGAGTCTCTCAAATCCACTTCC
CAAACTCTTCCGTGCTGCATGAAGAGGAAGATGAGCATTCTGCAGCGAGTCCGAGACA
CAGCTCTCTCAGAGACCGTCGGTTCAGCATCTCGGAGAGGAATGTGGTGTGACTCCAGAA
AGTGAGAACTCACCTTGTGTCATCTGGAGCTATTGACCAGTCGTCTTGACAGGGAGC
CCTCTGTATCCACTATTTCTCCCAAGAGGCCCTGCCAGCAGCAGCTTGGCCAGTCT
GTCATGTCCATGGCATCTCCAGATCAGCACTGACACCGTCTCTCCATGTCTGGCTCC
TACATCGCCCCTGGCACTGAAGAGGAGGGAGAGGCTCTCTTCCCCCAGCCTGCCAGC
AGGGCCCCCTCAGAAGAAGGAGAGGAAATGATGTTATAGAGGAAGAGGATGGATCACCC
ACGCAGGAAGGCCAGAGGACGTGCGCATTTCTAGGTATGGAGTGTGACAATAACAATGAC
TTTGACATCGAAGCGTGAAGCACTGGACAATAAGCTGTGCTCTGAGGTCTGCTTACCT
GGTGCCTGGCAGGCTGATGACAATGCCGTGAGTCGGAATGCCAGCGCCGCGCTTGTCA
TCCAGCAGCCTGGAGACTCTGAGACGAGGCCCTGTGTGTGGGCCCTTTGGCTGTC
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Restriction Sites:	Please inquire
ACCN:	AK091467
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:	AK091467.1 , BAC03669.1
RefSeq Size:	2821 bp
RefSeq ORF:	1860 bp
Locus ID:	114804
Cytogenetics:	17q25.1
Domains:	RING
Protein Families:	Druggable Genome
Gene Summary:	E3 ubiquitin ligase that ubiquitinates APBB1 for its degradation by the proteasome and thus prevents apoptosis and promotes survival of neurons (PubMed:25342469). Has a dual role in neurons as it is also required for dendrite growth and maintenance for which its ligase activity is not critical (PubMed:25342469). May act as a scaffold molecule to regulate this process (PubMed:25342469). Acts as a downstream effector of the interconnected PI3K and MAPK signaling pathways and thus participates in the regulation of the cell cycle (PubMed:28655764).[UniProtKB/Swiss-Prot Function]