

Product datasheet for **SC326335**

KIAA1432 (RIC1) (NM_001135920) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA1432 (RIC1) (NM_001135920) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIAA1432
Synonyms:	bA207C16.1; CATIFA; CIP150; KIAA1432
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001135920, the custom clone sequence may differ by one or more nucleotides <pre> ATGATAGCTGTATCAACGGCAAATGGATACATCTTGTGTTTTTCATATTACATCTACAAGA GGGGACAAGTACCTTTATGAACCAAGTATCCCAAAGGAAGTCCACAAATGAAGGGGACA CCCCATTTTAAGGAAGAACAGTGTGCTCCAGCATTAAATTTGGAGATGAGGAAAATACTG GATTTACAAGCACCCATCATGAGTTTGCAGTCTGTGTTGGAAGATCTCCTGGTTGCTACT TCTGATGGACTTCTTCATCTTATCACTGGGAAGGAATGACAAATGGAAGGAAAGCCATT AATCTTTGCACAGTACCCTTTTCAGTAGACCTGCAGTCATCTAGAGTAGGTTTCATTCCTG GGCTTCACAGACGTACACATCAGAGACATGGAATACTGTGCCACACTTGATGGGTTTGCT GTTGTATTTAATGATGGTAAAGTTGGATTATTACACCAGTGTCAAGTAGATTTACTGCA GAGCAGCTTCATGGAGTTTGGCCACAAGATGTTGTTGACGGAACGTGTGTAGCAGTAAAT AACAAAGTATCGACTAATGGCATTGCGTGTGTGAGTGGTTCTGTGCAGGTCTATACAATA GATAACAGCACTGGAGCCATGCTGCTATCTCATAAATTAGAGCTAACAGCAAAACAGTAT CCTGACATTTGGAATAAAACAGGAGCTGTTAAATTGATGAGATGGTCTCCTGACAATAGT GTTGTAATAGTGACCTGGGAATACGGAGGCCTTTCTTTATGGAGTGTGTTTGGAGCACAG CTGATTTGTACACTTGGAGGAGATTTTGCTTATAGGTCTGATGGCACCAAAAAAGATCCC CTTAAGATCAACTCTATGAGCTGGGGTGCAGAAGGCTATCACCTATGGGTAAATCAGCGGA TTTGTTCTCAAAACACTGAAATTGAGTCTGACCTCAGGAGTGTAGTTAAACAGCCAGC ATCCTGTTATTTTCAAGTTTATTAAGAGTGTACTCACTGTAAACCCTTGATGAGTAACCA GAGCAGGTGTTGCTTCAGGGTGAGGATCGCTTGTACTTGAAGTGTGGAGAGGCTTCACAA ACCCAGAATCCCAGGAGTTCTTCAACACACTCTGAGCATAAGCCAGTCGAGAAAAGAGC CCATTTGCAGATGGAGGTTTAGAGTCTCAGGGATTAAGCACTTTACTTGGACATCGGCAT TGGCATGTTGTACAGATTTCCAGCACCTATCTAGAGAGCAATTGGCCTATACGGTTTTCA GCTATTGATAAGCTTGGACAGAATATTGCTGTGGTTGGCAAGTTTGGTTTTGCACATTAC TCTTTACTCACCAAAAAATGGAACCTTTTGGAAACATTACCCAGGAGCAAAATATGATC GTGACAGGTGGCTTAGCCTGGTGAATGATTTTATGGTCCTTGCGTGTATAACATAAAT GACCGTCAAGAAGAGCTTAGAGTATACTTGCGAACATCAAATCTGGACAATGCCTTTGCT CATGTACCAAAGCACAAGCAGAAACATTACTGCTTAGTGTCTTCCAGGACATGGTAATA GTATTTAGAGCAGACTGTTCAATATGCCTTTACAGTATTGAAAGAAAATCTGATGGTCCA AATACTACTGCTGGTATTCAAGTTCTTCAGGAGGTTTCCATGTACGCTACATTCCTCAC CCTTCTGTTGGTATCTGTCACTCTGACATCAGTGAGTACAGAGAATGGAATCACCTTG </pre>



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ATTACACATTTGCTAT

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Restriction Sites:	Please inquire
ACCN:	NM_001135920
Insert Size:	3831 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_001135920.1](#), [NP_001129392.1](#)

RefSeq Size: 3831 bp

RefSeq ORF: 3831 bp

Locus ID: 57589

UniProt ID: [Q4ADV7](#)

Cytogenetics: 9p24.1

Gene Summary: The RIC1-RGP1 complex acts as a guanine nucleotide exchange factor (GEF), which activates RAB6A by exchanging bound GDP for free GTP and may thereby required for efficient fusion of endosome-derived vesicles with the Golgi compartment. The RIC1-RGP1 complex participates in the recycling of mannose-6-phosphate receptors. Required for phosphorylation and localization of GJA1.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 3' UTR and has multiple coding region differences, compared to variant 1, one of which results in a frameshift. The resulting protein (isoform b) has a distinct C-terminus and is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.