

Product datasheet for **SC331656**

KIAA1432 (RIC1) (NM_001206557) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA1432 (RIC1) (NM_001206557) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIAA1432
Synonyms:	bA207C16.1; CATIFA; CIP150; KIAA1432
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331656 representing NM_001206557. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGATATTTCTGAGCGGCTGGCCCAAGAGGCTGCTGTGCCCTCTGGGGAGCCCGGCCGAGGCGCCTTTC
CACGTTCAAGTCCGACCCGAGAGGGCTTCTTCGCCGTGCTGGCCGCGGCCCGCCTCAGCATCTGGTAC
AGCCGACCTAGTGTGTTAATTGAACCTACAAGGAGCCTGCAAAATCATCTACTCAGTTTGGATCCTAC
AAGCAAGCTGAATGGAGGCCAGATAGTACCATGATAGCTGTATCAACGGCAAATGGATACATCTTGTTT
TTTCATATTACATCTACAAGAGGGGACAAGTACCTTTATGAACCAAGTGTATCCAAAGGAAGTCCACAA
ATGAAGGGGACACCCCATTTTAAGGAAGAACAGTGTGCTCCAGCATTAAATTTGGAGATGAGGAAAATA
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GGACTTCTTCATCTTATTTCACTGGGAAGGAATGACAAATGGAAGGAAAGCCATTAACTTTGCACAGTA
CCCTTTTCAGTAGACCTGCAGTCATCTAGAGTAGGTTTCTTCTGGGCTTCACAGACGTACACATCAGA
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ATGCAGAGGGACAGGTCAGGCCACAGATCCGGGAGAAGGACAGTAACCCCTAATAACCAAAGGAACTT
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GATTTGGACACAGCTGCCTCTTACCTTATTATCTTACAGAATATGGAAGTCCCTGCAGTAAGTAGGCAA
CATGCTACCTTCTATTCAACACAGCACTAGAACAAGGCAAGTGGGACCTTTGTCGACACATGATTGCA
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TCATCCCATGGACCACAAATGCAAGATGCCTTCTGTACCTTTATCTAATAAAGGTGATGAATGCAGT
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CCTCATAAATCCAGGTCCAGCTTCGGTATTTGCTACACATTTTCATGGAGGCAGGGTGCCTAGACTGG
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TCAGAGGTAGATGGAGAGATGTTACAGAACATAAAGACAGGGCTCCATGCAGTGGACCGATGGGCTCT
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CCCCGGGCAGAGGAGAGCAGGGGCTCCTCCAGCCATGGAAGCATCCCCAGGGTGAAGTTGGAAGCAGC
AATATGTCAGCCGAAAGAGGAGGACACAGCCCAAGCAGAGGAGGAAGAACCTTTTTCAGGATGGGACT
TACGACTGTTCTGTGTCTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001206557

Insert Size: 4161 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).

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:	<u>NM_001206557.1</u>
RefSeq Size:	6676 bp
RefSeq ORF:	4161 bp
Locus ID:	57589
UniProt ID:	<u>Q4ADV7</u>
Cytogenetics:	9p24.1
MW:	155.2 kDa
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 (3) lacks and in-frame exon in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform c), compared to 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.