

Product datasheet for **SC303546**

RAB36 (NM_004914) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB36 (NM_004914) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303546 representing NM_004914. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
ATGGTGATCGCCGGTGCAAGCTGGATGCTTGGACGCGCCGCTGCCAGTCCAACGCAGACCCGCCACG
ACGTGACGATTCTGTAGCCCGCAGGTCCCGCTGGCTCTCGTTGCCATGGTGATCGCCGCCGCTGGC
TCAGGCGGACCGAGGCCGCGCGGAGCCCCAGCTTTCACAGCCATCGCTGGACTGTGGAAGAATGAGGTCC
TCCCTGACACCTTTGGGGCCCCCTGTGAGCCGCGACCGTGTATCGCCAGCTTCCCTAAGTGGTACACG
CCGGAAGCCTGTTTGCAGCTCAGGGAGCACTTCCACGGGCAGGTACGCGTGCCTGCCAACGCAGGAAC
ACGGGGACTGTGGGCTCAAACCTCCAAGGTGGTGGTGGTGGCGATCTCTACGTGGGGAAGACCAGC
CTCATCCACAGGTTTTGCAAGAATGTTTTTGTGAGACTACAAGGCCACCATTGGGGTGGACTTTGAA
ATTGAGCGCTTTGAGATTGCTGGGATTCCTATAGCCTCCAGATCTGGGACACAGCTGGGCAGGAGAAG
TTCAAGTGCATCGCATCTGCCTACTACCGGGTGCCAGGTGATCATCACGGCCTTTGACCTCACTGAC
GTGCAGACCTGGAGCATACCAGGCAGTGGTGGAGGATGCTCTGAGGGAGAACGAGGCAGGCTCCTGC
TTCATCTTCTCGTGGGAACCAAGAAGGACCTTCTGTAGGGGCCGATGTGAGCAGGCCAAGCAGAC
GCTGTGCACCTGGCCAGGAGATGCAGGCCGAGTACTGGTCAGTGTGGCCAAGACTGGCGAGAACGTG
AAGGCATTCTTCAGCCGCTAGCCGCCCTGGCATTGAGCAGTCGGTGTGTCAGGACCTGGAGAGGCAG
AGCAGTGCCCGGCTCCAGGTCGCAATGGAGACCTAATCAAATGGAAGGGAGTCCGCCCGAGACCCAG
GAGAGCAAGAGGCCCTCCAGCCTGGGCTGCTGC**TAA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_004914
Insert Size:	1002 bp



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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:	<u>NM_004914.2</u>
RefSeq Size:	3822 bp
RefSeq ORF:	1002 bp
Locus ID:	9609
UniProt ID:	<u>O95755</u>
Cytogenetics:	22q11.23
Protein Families:	Druggable Genome
MW:	36.3 kDa
Gene Summary:	Protein transport. Probably involved in vesicular traffic (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. The encoded isoform (3) has the same N- and C-termini, but is shorter than isoform 1. 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.