

Product datasheet for **SC115819**

RAB31 (NM_006868) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB31 (NM_006868) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB31
Synonyms:	Rab22B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115819 sequence for NM_006868 edited (data generated by NextGen Sequencing)

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ATGATGGCGATACGGGAGCTCAAAGTGTGCCTTCTCGGGGACACTGGGGTTGGGAAATCA
AGCATCGTGTGTCGATTTGTCCAGGATCACTTTGACCACAACATCAGCCCTACTATTGGG
GCATCTTTTATGACCAAAACTGTGCCTTGTGAAATGAACTTCACAAGTTCCTCATCTGG
GAACTGCTGGTCAAGAACGGTTTCATTGCTCCCATGACTATCGAGGCTCAGCT
GCAGCTGTTATCGTGTATGATATTACCAAGCAGGATTCATTTTATACCTTGAAGAAATGG
GTCAAGGAGCTGAAAGAACATGGTCCAGAAAACATTGTAATGGCCATCGCTGAAACAAG
TGCGACCTCTCAGATATTAGGGAGGTTCCCTGAAGGATGCTAAGGAATACGCTGAATCC
ATAGGTGCCATCGTGGTTGAGACAAGTGCAAAAAATGCTATTAATATCGAAGAGCTCTTT
CAAGGAATCAGCCGCCAGATCCCACCTTGGACCCCATGAAAATGGAAACAATGGAACA
ATCAAAGTTGAGAAGCCAACCATGCAAGCCAGCCGCCGGTGTCTGTTGA
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Clone variation with respect to NM_006868.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006868 unedited TATACGACTCACTATAGGCGGCCGCAATTCGGCACGAGGGGTTCCGCCCGGGCGGGCG CGAGCGAGGGGCAGAGGCAGAGACGCCGGCGGGGCGGGCGGGCGGGCCCCGGAGGAT GCTGCTGAGCCCCGGCACTGCCTGGCTGCGAGCACATGATGGCGATACGGGAGCTCAAAG TGTGCCTTCTCGGGGACACTGGGGTTGGGAAATCAAGCATCGTGTGTCGATTTGCCAGG ATCACTTTGACCACAACATCAGCCCTACTATTGGGGCATCTTTTATGACCAAAACTGTGC CTTGTGGAAATGAACTTCACAAGTTCCTCATCTGGGACACTGCTGGTCAGGAACGGTTTC ATTCATTGGCTCCCATGTACTATCGAGGCTCAGCTGCAGCTGTTATCGTGTATGATATTA CCAAGCAGGATTCATTTTATACCTTGAAGAAATGGGTCAAGGAGCTGAAAGAACATGGTC CAGAAAACATTGTAATGGCCATCGCTGGAACAAGTGCACCTCTCAGATATTAGGGAGG TTCCCCTGAAGGATGCTAAGGAATACGCTGAATCCATAGGTGCCATCGTGGTTGAGACAA GTGCAAAAAATGCTATTAATATCGAAGAGCTCTTCAAGGATCAGCCGCCAGATCCCACC CTTGGGNACCCCATGAAATGGGAAACATGNNACAATCAAAGTGAGAAGCCCAACCATG CAGCCAGCCGNNCGTGTGNTGACCCANGNCCGTGGTCCACGGTACTTGAAGAGCCAGA GCCACATNCTGTGCTGTGAAGGACCCTACGCTCGTGGCCTGGCACTCACTTGAAGAG TGAGCCACTGGCTTTGCTCTGGAAGACTGCAGGGGGCGGAGGAAATGTACTGAAACGAT TTAAAAACCTGGGAAACCCACAACCACAAATGCCTTTATGTTGAATGCATGGAGGGGA TTATTGCCTTTGCTAAAAAAAATACTGACTAGATGCGGGC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006868 unedited GCGGCACGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTTAGCAAAAATGCAACTACAT CCCCTCCATGTGCATTTACATACTAAAGCCATTTTGTGGTGGTGTGGTGGTTTTTCCC AGGGTTTTCTAAAATCGTTTTTCAGGTACATTTCTGCCCGCCCCCTGCAGGTCTCCAG GATGCAAAGCCAGTGTGCTCACTTTCTCAAAGTGAGGTGCCAGGCCACCGAGCGTAGGG TCCTTCAGCAGTGCACAGGATGTGGGCTCTGGCTTCTTCAAGTACCGTGGACCACGGCCC TTGGGTCAACAGCACCGGCGGCTGGCTTGCATGGTTGGCTTCTCAACTTTGATTGTTCCA TTGTTTCCATTTTATGAGGGTCCAAGGGTGGGATCTGGCGGCTGATTCTTTGAAAGAGC TCTTCGATATTAATAGCATTTTTTGCACCTGTCTCAACCACGATGGCACATGGATTCA GCGTATTCCTTAGCATCCTTCAGGGGAACCTCCCTAATATCTGAGAGGTGCGCACTGTTT CCAGCGATGGCCATTACAATGTTTTCTGGACCATGTTCTTTCAGCTCCTTGACCCATTTT TTCAAGGTATAAAATGAATCCTGCTTGGTAATATCATAACGATAACAGCTGCAGCTGAG CCTCGATAGTACATGGGAGCCAATGAATGAAACCGTTCCCTGACCAGCAGTGTCCCAGATG AAGAACTGTGAAGTCATTTCCACCAAGCACAGTTTTTGGTCATAAAAGATGCCCAATAG TAAGGCTGATGTTGTGGTCAAAGTGATCCTGGACCAATCGAACACGATGCTTGATTTCCC AACCCCATTTGCCCGAAATGCACACTTTGAGCTCCCGTATCGCACATGTGCTCGCACCA AGCATGCCCGGGCTATAAACTCCTCCGGGGCGCCNCCCAGCCCCGCGTGT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_006868
Insert Size:	1090 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:	<ol style="list-style-type: none">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_006868.2 , NP_006859.2
RefSeq Size:	3969 bp
RefSeq ORF:	588 bp
Locus ID:	11031
UniProt ID:	Q13636
Cytogenetics:	18p11.22
Domains:	ras, RAN, RAS, RHO, RAB
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis
Gene Summary:	Small GTP-binding proteins of the RAB family, such as RAB31, play essential roles in vesicle and granule targeting (Bao et al., 2002 [PubMed 11784320]).[supplied by OMIM, Jul 2009]