

Product datasheet for **SC108637**

RAB5IF (NM_018840) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB5IF (NM_018840) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB5IF
Synonyms:	C20orf24; PNAS-11; RCAF1; RIP5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_018840 edited

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GAATTCGGCACGAGGGAACCGGGTAGCTTGCCAGGTTGTGAGGAACCGCAGCGCGCCG
AGGACCGGGCCGCTGAGCCTGCAGCCGCCCGCCGCGCTGACCTGCGACCCCTAGACCCGA
CTCCCTTTGGCTCAGCCCGCGCGCCCCAGGCCCGGCCCGGCGCGCAGCGGAGGATGA
GCGGCGGGCGGCGGAAGGAGGAGCCGCTCAGCCGCAGCTGGCCAACGGGGCCCTCAAAG
TCTCCGTCTGGAGTAAGGTGCTGCGGAGCGACGCGCCTGGGAGGATAAGGATGAATTTT
TAGATGTGATCTACTGGTCCGACAGATCATTGCTGTGGTCTGGGTGTCATTTGGGGAG
TTTTGCCATTACGAGGGTTCTTGGAATAGCAGGATTCTGCCTGATCAATGCAGGAGTCC
TGTACCTCTACTTCAGCAATTACCTACAGATTGATGAGGAAGAATATGGTGGCACGTGGG
AGCTCACGAAGGAAGGGTTTATGACCTCTTTGCCTTGTTTCATGGTCATTTGGATCATCT
TTTACACTGCCATCCATTATGACTGATGGTGTACAGCTCCCAAGTGCTCCCTATCCAGTC
CAAAGGACCTCTTGATTACAGCACAGGAACCTTGATCGTTGGGGAACCCAGCCCCTTGG
AACTTGGAAGACCCGTGTTTCCTGGACCGCAATCAGTGTGTTGGGCATCAGTGTTCCT
GCAAGGGTTGTGACCTGAAACTTTTTAAAAACCACCCACCTTTGGGGAAGCATTTCTGAA
TTTATCCATCACCAACCATTTCTTCTTGATACCATCAAGTAACAGCTATTATTTGCCAA
GTGGAGCTGTCATTTAATTTGATGCACCTCTGGATTGAGATGAAACATTAATTTGCTTC
CTCGATTCTCCATCGGGTGTAGAGTTTTTAACTATCAATGGCATTTCAGTCTTCTGAA
ACAGCATGGCTGTATGTGCGTGGTCCATAGCACAGTACATGCAGCATCTAATAAGAGTTT
CCATTGTAGAATGTTTTACATACTTGAATAAATCAAATCTTTAATTGAGAAAAAAAAAA
AAAAAAAACTCGAC

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018840 unedited
 GTAAAGTTGAATTTGTATACGACTCATATAGGCGGCACGCGAATTCGCACGAGGGAACCG
 GGTAAGCTTGGCCAGGTTGTGAGGAACCGCAGCGCGCCGCATGACCGGGCCGCTGAGCCTG
 CAGCCGCCCGCGCCGTGACCTGCGACCTAGACCCGACTCCCTTTGGCTCAGCCCGCG
 CGCCCCAGGCCCGGCCGGGCGGCGCAGCGGAGGATGAGCGGCGGGCGGCGGAAGGAGG
 AGCCGCTCAGCCGAGCTGGCCAACGGGGCCCTCAAAGTCTCCGTCTGGAGTAAGGTGC
 TGCGGAGCGACGCGCCCTGGGAGGATAAGGATGAATTTTAGATGTGATCTACTGGTTCC
 GACAGATCATTGCTGTGGTCTGGGTGTCATTTGGGGAGTTTTGCCATTACGAGGGTTCT
 TGGGAATAGCAGGATTCTGCCTGATCAATGCAGGAGTCTGTACCTCTACTTCAGCAATT
 ACCTACAGATTGATGAGGAAGAATATGGTGGCAGCTGGGAGCTCACGAAGGAAGGGTTTA
 TGACCTCTTTTGCCTTGTTCATGGTCATTTGGATCATCTTTTACACTGCCATCCATTATG
 ACTGATGGTGTACAGCTCCCAAGTGCTCCCTATCCAGTCCAAAGGACCCTCTTGATTACA
 GCACAGGAACCTGATCGTTGGGAACCCAGCCCTTGGAACTTGAAGACCCGTGTTTC
 CTGGACCGCAATCAGTGTGTTGGGCATCAGTGTCTTCTGCAAGGGTTGTGACCTGAAAC
 TTTTATAAACCACCCACCTTTGGGAAGCATTCTGAATTTATCCATCACCACCATTTG
 TCTGCTAGGATACCATCAAGTAACAGCTATTATTTGCCAGNTGGAGCTGTCATTTAATTT
 GATGCACCTCTGGATTCA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018840 unedited
 GTACCGCGGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTCTCAATTAAGATT
 GATTTATTCAAGTATGTGAAAACATTCTACAATGGAACTCTTATTAGATGCTGCATGTA
 CTGTGCTATGGACCACGCACATACAGCCATGCTGTTTCAGAAGACTTGAAATGCCATTGA
 TAGTTTAAAACTCTACACCCGATGGAGAATCGAGGAAGACAATTTAATGTTTCATCTGA
 ATCCAGAGGTGCATCAAATTAATGACAGCTCCACTTGGCAAATAATAGCTGTTACTTGA
 TGGTATCCAAGAAGAAATGGTTGGTGTGATAAATTCAGAAATGCTTCCCCAAAGGTGG
 GTGGTTTTTAAAAAGTTTCAGGTCACAACCCTTGCAAAAACACTGATGCCCAACACACT
 GATTCGCGGTCCAGGAAACACGGGTCTTCCAAGTTCCAAGGGGCTGGGGTTCCCCAACGA
 TCAAGTTCTGTGCTGTAATCAAGAGGGTCTTTGGACTGGATAGGGAGCACTTGGGAGC
 TGTACACCATCAGTCATAATGGATGGCAGTGTAAAAGATGATCCAAATGACCATGAACAA
 GGCAAAAGAGGTCATAAACCTTCTCTCGTGAGCTCCACGTGCCACCATATTCTTCCTC
 ATCAATCTGTAGGTAATTGCTGAAGTAAAGGTACAGGACTCCTGCATTGATCAGGCAGAA
 TTCTGCTATTCCCAAGACCCCTCCGTATGGCAAACTCCCAAAATGACACCCAGGACCAC
 ACGCATGATCTGTGGAACCAAGTAAATCACATCTAAAATTCATCCTTATNCTNCCAGCC
 GCGTCGCTCCGCAGCACCTTACTCCAGACGAGACCTTTGAGGCCCNCGTNGGCCACCT
 GNNGNTGAAGCGGNTNCTNCTTTGCGCGGCCGCCGCTCATACTTCCG

Restriction Sites:

NotI-NotI

ACCN:

NM_018840

Insert Size:

1080 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_018840.2, NP_061328.1</u>
RefSeq Size:	1091 bp
RefSeq ORF:	390 bp
Locus ID:	55969
UniProt ID:	<u>Q9BUV8</u>
Cytogenetics:	20q11.23
Protein Families:	Transmembrane
Gene Summary:	Acts as an assembly factor for mitochondrial respiratory complexes.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the shortest isoform (a).