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Product datasheet for SC102633

RPH3AL (AK026755) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPH3AL (AK026755) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPH3AL
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for AK026755, the custom clone sequence may differ by one or more nucleotides

TTTTGCTTATATTTTGGAGGGGTTGTCTTTTTCTTAACGATTCGTAAGAGTTCCTTACGTATTCGATCAT
TTTGTATTTTTGTGGGTTACGTATCTCTTTGTAGCTTGTCTTTTCACATTAGGGCATTTGATGTAGATTA
AAAATTTGTATATTAACAGAATCTTGATATTTATCTTCATAGTTTGTGCTTCTTATGTCTTGATTTGTAA
TGACATCTCTATATTGGGTTTTCATAGATTCATGGGGTGCTAATGTTTAAATCTGTAATTATAACTATTT
TTAGTTTCATTATAATTTTTCCCTATTTAATTCAGTACTTTATTTCCCCCACTACCCCCCACCCCCCAAG
AGACGGGGTCTTCCTTTGTTGGCCAGGCTGAAGTGAGTGCAGTGACACGATCACAGCTCACTGCAACCTT
GAACTCCTGATATCAAGTGATCCTCCCACCTCAGCCTCCAGAAGAATTAGGAGTACAGGCACGTGCCACC
ATGTCTGGCTTATATATATTTTTGGGGGGGTGGTGGGGGAGAGTAGAGATGAGGTTTCGCTATGTTGTCCA
GGCTGGTCTCGACCTCTTGGGCTGAAGTGGTCCTCCTGCCTCAGCCTCCCAAAGTACAGGATTGCAGGTG
TGAGCCACCACGCCTAGCCCTTTTATAATTCCTTCTATTTGTTCATTCATTCAACAATTCAGTCAGAAAT
ACTGAGTGCCCATTACACACTAGATATGCTGCTAGGTGCTGGGATTACAGGCATGAGCTACTGTGCCCAG
CCAGTTTTTGGTATTTTTAGTAGAGACGAGGTTTCACCATGTTGGCCAAGCTGTTCTTGAACTCCTGACC
TCAGGTGATCCACCTGCCTGAGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACCATGCCCGGCCGA
TAAATTTTTTAAAATCTTCTTTCTTTATACATGTTTCTGTGCTCTGTTTAGACAGTCTCATAGATATATT
TATTTGTTACGAATTGTCCCTTCATCAGGAAAATGATTCCTTTTTCCCTATTTAAGGTATTTGTTACGAA
TTCTAGTTTTATATTATCTACTATATCTTACCCTTAACTTTTCTGAGTCATTTTCAGTGTATCTTTTATA
GAAGGCTATGGTTGGAATTTTTTTAAAACCTGAGTATCATTGTCTTCTGATACAGAATCTGAAAACCTTT
TAAAAATTAGTGAGGCGAAAAAAATTAGCCAGGCATGGTGACGGGTGCCTGTGGTCCCAGCTACTCGGGA
GGCTGAGGCAGGAGAATGGCACGAACCCGGAAGCCAGAGCTTGCAGTGAGCCGAGATCGCGCCACTGCAC
TCCAGCCTGGGCGACAGAGTGAGACTCCGGCTCAAAAAAAAAAAAAAAAAAAAAAAAGTATTCAGGCTGGG
ATTACAGGTGTGAGCCACCGCACCCAATCCTATTAGGTTTCTTTGAATCCCCTCATGGCCTGCCTGGTTT
TTGCTCAGCCTGTCTTCAGCTTGAGGAGCTGGGAAGCTCTGGTGGATGCTATGAACTCACTTGCTGAAGA
GCAGCGTTCAGGTGCATCCCCAGCCAGGGCACGTGGCTCCCTCAGCCATGAATTCACTTCTCTTCAGGAG
GTTTGGCTTGGCATGAAAATACTTCATTCAGAGTATGGGCAAATGCTTCTGGAAAACCCATCCCTGAAGA
GAGAGAACGTGTGTGTGTGTGTCGGTGATCACACCCTCCCATCCTTCCTGCCTCCTGCCCCAAACCCCGG
GTTCCTGGGTCTGGAAGGGCCTTCTCTCCAAGCTGGGAGCTCCTGGGCCCCCACCATTCACTTTTTGTCC
TTGCTGCTGGCAAACAGTAAAGAAACTCACTTTCCCTGTGGCACGTTATGCTTCAGAATTAAAACAATGA
AGTATTAAAATTTAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for AK026755 unedited
TACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCCCACATGCAGTGTCAGAGGG
GCCGCCCGGTGGGGCTATCTCCGTTGCTATATTAATGGCAAGACTAAATGAAACCTAGGG
CACGGCCTCCGAAGCTGCGTGTGGCCCCTTAGAGGTGAGCATCAGAGCCAGAGCAGTGAG
GGGGAGACTCACCCACCCTCTCCCTCTCCCTTCAGCTCTGGGAGGCAGGCGCAGTGCCCC
CCTCCCGTGGGCTGGCCCAGGACCGCGGGTGAAACCTGGGTCTGTTTAGTTTCTTTGGTT
TTTGTATGTTTGTTTGTTTTTGACACAGTCTCGCTTTGTTGCCCAGGCTGGGGTGCAGTG
GCACGATCGCGGCTCACTGCAACCTCCACCTCCCGGGCTCAAGCGATTCTCTCACCTCAG
CCTCCTGAGTAGGTGGGATTACAGATGCCCGCCACCACACCCAGTTAATTTTTGTATTTT
TAGAAGAGATGGGGTTTCTCCATGTTGGCCAGGCTGGTCTTGAACTCCTGGTCTCAAGTG
ATCCGCCCGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACCGCACCCAAT
CCTATTAGGTTTCTTTGAATCCCCTCATGGCCTGCCTGGTTTTTGCTCAGCCTGTCTTCA
GCTTGAGGAGCTGGGAAGCTCTGGTGGATGCTATGAACTCACTTGCTGAAGAGCAGCGTT
CAGGTGCATCCCCAGCCAGGGCACCGTGGCTCCCTCAGCCATGAANTNCACTTCTCTTCA
GGAGGTTNGGGCTTGGCATGAAAATACTTCATTCANAGTATGGGCANATGGCTCTGGNAA
AACCCTTCCCTGANAGAGAAACGTGTGTNGTGTGTCGGTGATCACACCCTTCCATNCT
TTCTGNCTNCTGCCCAAAACCNNGGGTTCTGGGTCTGGAAGGGCCTTCTCTNNCAGCTGG
GACTCCTGGGGCCCACCATCACTTTTGN

3' Read Nucleotide Sequence:

>OriGene 3' read for AK026755 unedited
NNCGGTACTACTATGNNACCGCGGCCGCAATCTANGATCGAGTTTTTTTTTTTTTTTTT
AATCTTCATTGTTTTAATTCTGAAGCATAACGTGCCACAGGGGAAAGTGAGTTTCTTTAC
TGTTTGCCAGCAGCAAGGACAAAAAGTGAATGGTGGGGGCCCAGGAGCTCCCAGCTTGGA
GAGAAGGCCCTTCCAGACCCAGGAACCCGGGGTTTGGGGCAGGAGGCAGGAAGGATGGGA
GGGTGTGATCACCGACACACACACACACGTTCTCTCTCTTCAGGGAAGGGTTTTCCAGAA
GCATTTGCCCATACTCTGAATGAAGTATTTTCATGCCAAGCCAAACCTCCTGAAGAGAAG
TGAATTCATGGCTGAGGGAGCCACGTGCCCTGGCTGGGGATGCACCTGAACGCTGCTCTT
CAGCAAGTGAGTTCATAGCATCCACCAGAGCTTCCCAGCTCCTCAAGCTGAAGACAGGCT
GAGCAAAAACCAGGCAGGCCATGAGGGGATTCAAAGAAACCTAATAGGATTGGGTGCGGT
GGCTCACACCTGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGCGGATCACTTGAGACCA
GGAGTTCAAGACCAGCCTGGCCAACATGGAGAAACCCCATCTCTTCTAAAAATACAAAAA
TTAACTGGGTGTGGTGGCGGGCATCTGTAATCCCACCTACTCAGGAAGCTGTAGTGAGAG
AATCGCTTGAGCCCGGGAGGTGGAAGTTGCACTGAGCCGCGATCGTGCCACTTGACCCCA
AGCTGGGCAACAAACGAGACTGTGTCAAAAACAAACAAACTTTCTAAAACCCAAGGAACT
TAACCGACCCGGGTTTCACCCCCGGGTCCCTGGGCCACCCCACGGGAAGGGGGCACTGTG
CCCTGGCTTCCC

Restriction Sites: NotI-NotI

ACCN: AK026755

Insert Size: 1250 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: AK026755.1

RefSeq Size: 1917 bp

RefSeq ORF: 1917 bp

Locus ID: 9501

Cytogenetics: 17p13.3

Protein Families: Secreted Protein

Gene Summary: The protein encoded by this gene plays a direct regulatory role in calcium-ion-dependent exocytosis in both endocrine and exocrine cells and plays a key role in insulin secretion by pancreatic cells. This gene is likely a tumor suppressor. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jun 2010]