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Product datasheet for SC118348

Rab2 (RAB2A) (NM_002865) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rab2 (RAB2A) (NM_002865) Human Untagged Clone
Tag:	Tag Free
Symbol:	Rab2
Synonyms:	LHX; RAB2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC118348 sequence for NM_002865 edited (data generated by NextGen Sequencing)

ATGGCGTACGCCTATCTCTTCAAGTACATCATAATCGGCGACACAGGTGTTGGTAAATCA
TGCTTATTGCTACAGTTTACAGACAAGAGGTTTCAGCCAGTGCATGACCTTACTATTGGT
GTAGAGTTCGGTGCTCGAATGATAACTATTGATGGGAAACAGATAAAACTTCAGATATGG
GATACGGCAGGGCAAGAATCCTTTCGTTCCATCACAAGGTCGTATTACAGAGGTGCAGCA
GGAGCTTTACTAGTTTACGATATTACACGGAGAGATACATTCAACCACTTGACAACCTGG
TTAGAAGATGCCCGCCAGCATTCCAATTCCAACATGGTCATTATGCTTATTGGAAATAAA
AGTGATTTAGAATCTAGAAGAGAAGTAAAAAAAGAAGAAGGTGAAGCTTTTGCACGAGAA
CATGGACTCATCTTCATGGAAACGTCTGCTAAGACTGCTTCCAATGTAGAAGAGGCATTT
ATTAATACAGCAAAAGAAATTTATGAAAAAATTCAAGAAGGAGTCTTTGACATTAATAAT
GAGGCAAATGGCATTAAAATTGGCCCTCAGCATGCTGCTACCAATGCAACACATGCAGGC
AATCAGGGAGGACAGCAGGCTGGGGGCGGCTGCTGTTGA

Clone variation with respect to NM_002865.2

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002865 unedited
TCAAATTTTGTAATACGACTCACTATAGGGCGGCCGCGAAATTCGCACGAGGAGCGGGAG
GAGGAGCCGTGTGCCCTGGCACTGAGCGGCCGCGGCCATGGCGTACGCCTATCTCTTCAA
GTACATCATAATCGGCGACACAGGTGTTGGTAAATCATGCTTATTGCTACAGTTTACAGA
CAAGAGGTTTCAGCCAGTGCATGACCTTACTATTGGTGTAGAGTTCGGTGCTCGAATGAT
AACTATTGATGGGAAACAGATAAAACTTCAGATATGGGATACGGCAGGGCAAGAATCCTT
TCGTTCCATCACAAGGTCGTATTACAGAGGTGCAGCAGGAGCTTTACTAGTTTACGATAT
TACACGGAGAGATACATTCAACCACTTGACAACCTGGTTAGAAGATGCCCGCCAGCATTC
CAATTCCAACATGGTCATTATGCTTATTGGAAATAAAAGTGATTTAGAATCTAGAAGAGA
AGTAAAAAAAGAAGAAGGTGAAGCTTTTGCACGAGAACATGGACTCATCTTCATGGAAAC
GTCTGCTAAGACTGCTTCCAATGTAGAAGAGGCATTTATTAATACAGCAAAAGAAATTTA
TGAAAAAATTCAAGAAGGAGTCTTTGACATTAATAATGAGGCAAATGGCATTAAAATTGG
CCCTCAGCATGCTGCTACCAATGCAACACATGCANGCAATCANGGAGGACAGCANGCTGG
GGGCGGCTGCTGNTGAGTCTGTNTTTACTGTCTAGCTGCCAACGGNGCCTACTCACTTAT
TCTTCACCCNCTCTNCTNCTGCTCAGCTGAGACATGAAACTATNTGAAATGGNCTTATGT
CACAGAAGACTTTAATNCGTCAAATNCTTGTATAACTTGAATAAATGGTTAATGTCACTT
TAAAGACAGATNTGNAGAATGNATCATATCTATTTGCATTTGATTNCTAGTNCAATGATG
TGATNATTTTTGTAAATGTTGNCTGTGCCN

Restriction Sites: NotI-NotI

ACCN: NM_002865

Insert Size: 2750 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: NM_002865.1, NP_002856.1

RefSeq Size: 1148 bp

RefSeq ORF: 639 bp

Locus ID: 5862

UniProt ID: P61019

Cytogenetics: 8q12.1-q12.2

Domains: ras

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene belongs to the Rab family, members of which are small molecular weight guanosine triphosphatases (GTPases) that contain highly conserved domains involved in GTP binding and hydrolysis. The Rabs are membrane-bound proteins, involved in vesicular fusion and trafficking. This protein is a resident of pre-Golgi intermediates, and is required for protein transport from the endoplasmic reticulum (ER) to the Golgi complex. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]
Transcript Variant: This variant (1) represents the predominant transcript and encodes the longer 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.