

Product datasheet for SC114326

RAPGEFL1 (NM_016339) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAPGEFL1 (NM_016339) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAPGEFL1
Synonyms:	Link-GEFII
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114326 sequence for NM_016339 edited (data generated by NextGen Sequencing)

ATGGAGGGCCCTGAAGGGCTGGGCCGGAAGCAAGCCTGTCTAGCCATGCTTCTCCATTTCTTGGACACCTACCAGGGGCTGCTTCAAGAGGAAGAGGGGGCCGGCCACATCATCAAGGATCTATACCTGCTAATTATGAAGGACGAGTCCCTTTACCAGGGCCTCCGAGAGGACACTCTGAGGCTGCACAGCTGGTGGAGACGGTGGAACTAAAGATTCCAGAGGAGAACCAGCCACCCAGCAAGCAGGTGAAGCCACTCTCCGCCACTTCCGCCGGATAGACTCCTGTCTGCAGACC CGGGTGGCCTTCCGGGGCTCTGATGAGATCTTCTGCCGTGTATACATGCCTGACCACTCT TATGTGACCATACGCAGCCGCTTTCAGCATCTGTGCAGGACATTCTGGGCTCTGTGACG GAGAACTTCAATATTCAGAGGAGCCCGGGGGCTGAGGATTCCCTCATCCTGGTAGCT GTGTCTCTCTGGAGAGAAGTCTTCTCCAGCCCACTGAGGACTGTGTTTTACCGCA CTGGGCATCAACAGCCACCTGTTTGCCTGTACTCGGGACAGCTATGAGGCTCTGGTGCC CTCCCCGAGGAGATCCAGGTCTCCCTGGAGACACAGAGATCCACCGAGTGGAGCCTGAG GACGTTGCCAACCACTAACTGCCTTCCACTGGGAGCTGTTCCGATGTGTGCATGAGCTG GAGTTCGTGGACTACGTGTTCCACGGGGAGCGCGGCCCGGGAGACGGCCAACCTGGAG CTGCTGCTGCAGCGCTGCAGCGAGGTACGCACTGGGTGGCCACCGAAGTGTCTGCTGC GAGGCCCCGGGCAAGCGCGCGCAGCTGCTCAAGAAGTTCATCAAGATCGCGGCCCTCTGC AAGCAGAACCAAGACCTGCTGTCTTTCTACGCCGTGGTTCATGGGGCTGGACAACGCCGCT GTCAGCCGCTTCGACTCACCTGGGAGAAGCTGCCAGGGAAATTCAAGAACTTGTTTCGC AAATTTGAGAACCTGACGAGCCCTGCAGGAACCAAAAAGCTACCGAGAAGTGATCTCC AAAATGAAGCCCCCTGTGATTCCCTTCGTGCCTCTGATCCTCAAAGACCTGACTTTCCTG CACGAAGGGAGTAAGACCCTTGTAGATGGTTTGGTGAACATCGAGAAGCTGCATTCAGTG GCCGAAAAAGTGAGGACAATCCGCAAAATACCGAGCCGGCCCTTTGCCTGGACATGGAG GCATCCCCCAATCACCTGCAGACCAAGGCCTATGTGCGCCAGTTTCAGGTATCGACAAC CAGAACCTCCTCTCGAGCTCTCTACAAGCTGGAGGCAACAGTCAGTGA

Clone variation with respect to NM_016339.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016339 unedited
 TCCCCGCCCGTTGCCGCTTAGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAAGCAG
 AGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCGAA
 TTCGGCACGAGGGAACCGGGTTCTGGAGCGGCTTGCTGGAGGGGTACCAGGGACAGCGC
 CGCCTCAGATATCTGCTGGATGACATTGTCCTTACCCATTCTCTCTTCTCCGACGGA
 GAAATTTCTGCAGGAGCTACACCACTACTTTGTTTCGGGCAGGAGGCATGGAGGGCCCTGA
 AGGGCTGGGCGCGAAGCAAGCCTGTCTAGCCATGCTTCTCCATTTCTTGGACACCTACCA
 GGGGCTGCTTCAAGAGGAAGAGGGGGCCGACATCATCAAGGATCTATACCTGCTAAT
 TATGAAGGACGAGTCCCTTTACCAGGGCCTCCGAGAGGACACTCTGAGGCTGCACCAGCT
 GGTGGAGACGGTGAAGCTAAAGATTCCAGAGGAGAACCAGCCACCCAGCAAGCAGGTGAA
 GCCACTTTCGCCCACTTCGCCCGGATAGACTCCTGTCTGCAGACCCGGGTGGCCTTCG
 GGGCTCTGATGAGATCTTCTGCCGTGTATACATGCCTGACCACTCTTATGTGACCATACG
 CAGCCGCTTTTACGATCTGTGCAGGACATTCTGGGCTCTGTGACGGAGAACTTCAATA
 TTCAGAGGAGCCCGGGGGCTGAGGATTCCCTCATCCTGGTAGCTGTCTCTCTCTGG
 AGAGAAGGTCTTCTCCAGCCCCACTGAGACTGTGTTTTACCGCACTGGGCATCAACAG
 CCACCTGTTTGCCTGTACTCGGGACAGCTATGAAGCTCTGGTGCCCCCTCCCCGAGAGAC
 CAGGTCTCCCTGNAGAACAGAGATCCACGAGTGGAGCCTGAGACGTTGCCNNACCACTAC
 TGCCTTNACTGGAGCTC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016339 unedited
 TATGTACCGCGCCGAATCNAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTGAATCATAAACTTTATCGGCTTTTTCTCCACCCAGCGTTTTT
 GCAATGACAACCCCGCTGTACAATACACATGGTTCACTCTGTTAAACTGCAGGGCAAC
 CGGAGGGGGCTGGGGTCCCTGGGCAGGCATTAAGGCTAGGGGTAAACAACAACCAAAAC
 TGGGCCAGTGGGTCCCAATGTCCACCCAAAAGGTGGTGGCAGCTGGAGTTCAAAGCTG
 TTGGAAGGGGTCAAGAAGAAAGCTGGGAAACCAGGGGCTTCAGGGAGAGGACAGTGCATC
 AACAGTAGCAGGGAGGGGCAAGGAGCAAAAGGGGGCCATGGGACACTGTCAAGGCAAG
 AGGGCATGGGACACAACCTCTATGTCCATAGAGGATTTTTGCTGCAGGAACAAGACA
 GATCACTGTATAAAAGGGTCTGTACAACATTACCTATGATACAATGTTACATATGATAC
 AAGGCTCTTTCCCTCTTTGAGTTTTAAAAAATAAATGTACAATTCCAGAGCTTTGGGTAA
 AAAAAATACACCCTCATAGCAAGAGCAACAGCTGCTTTTGCTACGGCTGTTGCTGTCTC
 TTCAAAAGGGAAAGAGGTGGTGCCAGAAAGAAAGGTGAGTCTGTGCCANGAAACCTTACC
 CAGTAGCTGGCAGGAGCCCTGACCCCTCAAGCCTTTAAGTTGTTTAAGGAAAGGGAGG
 GATTAAAGGTATAAAGGCCTTGCCGAATCCAAGGCGCCTTTAAGGCTCTGGCATTCCC
 CTCCCCCTTTTGGGCTTGCCCTGCCAAGTATAGGGATCCCCCCCACCAACTTTTAGGG
 GAGGACAAAGGGGAATCAAAAAAGAGGGCCAAAGCCCTTGTTGTGTTCAAACC

Restriction Sites:

NotI-NotI

ACCN:

NM_016339

Insert Size:

3750 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_016339.1, NP_057423.1</u>
RefSeq Size:	3340 bp
RefSeq ORF:	1371 bp
Locus ID:	51195
UniProt ID:	<u>Q9UHV5</u>
Cytogenetics:	17q21.1
Domains:	RasGEF
Protein Families:	Druggable Genome
Gene Summary:	Probable guanine nucleotide exchange factor (GEF).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) encodes the longest isoform (3). Sequence Note: This RefSeq was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.