

Product datasheet for **SC327717**

RAGEF2 (RAPGEF6) (NM_001164386) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAGEF2 (RAPGEF6) (NM_001164386) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAPGEF6
Synonyms:	KIA001LB; PDZ-GEF2; PDZGEF2; RA-GEF-2; RAGEF2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001164386, the custom clone sequence may differ by one or more nucleotides

```

ATGAACTACCCGTGGACCTGGCGCTAGGCAGGCGTTGAGGAAGAAGCCACCCGAGCGG
ACTCCCGAGGACTTAAATACTATTTATTCTTATCTTCATGGAATGGAAATATTATCAAAT
CTCAGGGAACATCAGCTTAGATTAATGTCTGCAAGAGCACGCTATGAGAGATACAGTGCC
AATCAGGTTCTCTTTTGTTCAGAAACGATTGCCAGATGTTGGTATATCCTACTTTCTGGA
TCTGTGCTTGTGAAAGGCTCCATGGTCTTGCCCTCCTTGCAAGTTTGGTAAGCAGTTTGG
GGAAAAAGAGGATGTGATTGTCTTGTATTAGAGCCTTCAGAAATGATTGTGGTAGAGAAT
GCCAAAGATAATGAAGATAGTATTCTACAAAGAGAAATCCTGCCAGACAATCCCGAAGA
AGATTTTCGAAAATTAATAATAAAGGAGAGCGCCAAACCATTACTGATGATGTGGAGTT
AACAGCTATCTTTCTCTCCAGCTGATCTTACCAAGATGCATCTCACAGAAAACCCTCAT
CCACAGGTGACTCATGTGCTTCTAGTCAGTCTGGTTGTAGCATTGCCAGTGACTCTGGA
AGCAGCAGTTTATCTGATATCTATCAGGCTACGGAGAGTGAGGTAGGAGATGTAGATTTG
ACACGTCTCCAGAAGGACCTGTTGATTCTGAGGATGACGAAGAGGAAGATGAAGAGATT
GATCGAACAGATCCATTGCAGGGGCGAGATCTTGTTCGAGAATGTCTTGAAAAAGAACCT
GCAGACAAAACCTGATGATGACATTGAACAATTGCTGGAGTTTATGCACCAGCTCCCTGCA
TTTGCAACATGACCATGTCTGTAAGGAGAGAAGTCTGCTCAGTGATGATTTTTGAAGTG
GTAGAGCAGGCTGGAGCTATTATTCTTGAAGATGGCAAGAGCTTGACTCATGGTATGTT
ATTTTAAACGGCACTGTGAAATCAGTCATCCAGATGGAAAAGTTGAAAATTTGTTTATG
GGAAATAGTTTTGGAATTACTCCCACTCTGGATAAGCAGTACATGCATGGAATTGTCAGG
ACTAAAGTAGATGATTGTCAGTTTGTCTGCATAGCCAGCAAGATTATTGGAGAATTTTA
AACCATGTGGAATAAATACCCATAAAGTTGAGGAAGAGGGAGAAATGTTATGGTACAT
GAGCATCGGAACTAGACCGGAGTGGAACCAGGAAAGGACACATTGTGATCAAGGCAACA
CCTGAGCGTCTCATAATGCATTTAATAGAAGAACATTCCATCGTGGATCCAACTTATATA
GAAGATTTTCTATTAACCTACAGGACATTTCTTGAAGTCCTTTGGATGTTGGGATCAAA
CTATTGGAATGGTTTAAGATCGACAGCTTAAGAGATAAGGTGACACGGATTGTATTATTA
TGGGTAATAATCATTATAATGATTTTGAAGGTGACCCTGCTATGACTCGATTTCTAGAG

```



[View online »](#)

GAATTTGAAAAAATCTGGAAGATACAAAGATGAATGGTCATCTCCGGTTATTGAATATT
 GCCTGTGCTGCAAAGGCTAAGTGGAGACAGGTTGTGCTGCAAAAGGCTTCCCAGGAGTCC
 CCTCTACAATTCAGCCTTAATGGAGGGAGTGAGAAGGGATTTGGTATTTTGTGGAAGGA
 GTAGAACCTGGTAGCAAAGCTGCTGATTCAGGACTGAAACGTGGTGATCAGATTATGGAA
 GTAATGGACAAAACCTTTGAGAAATTACATTTATGAAAGCCGTTGAAATTTTGGAGAA
 AATACTCATCTTGCACTTACTGTGAAGACCAACATTTTGTGTTCAAAGAGTTACTTTTT
 AGGACTGAACAAGAGAAAATCTGGTGTTCCTCATATTCCTCAAAATGCTGAAAAAAAAGT
 AATCGCCATTCTATCCAGCATGTGCCAGGAGATTTGAACAGACATCACAGGAGAAAGGA
 AGTAAGAAAAGTTAAAGCAAACTACTGTTTCAGGTGGAAGAAAACAAAATCAGGAAGATTTG
 GATAAAACACGATTTAGTATCTTGCCTCAAAGCTATTTAGTGATGGAGGCCAAGCCAA
 TCACAAGATGACAGCATTGTGGGAACAAGGCACTGTAGGCATAGTCTGGCTATAATGCC
 ATCCCTGGAACACTCTCATCCAGCAGCCCTGATCTCCTGCAGCCTACCACCAGTATGTTG
 GATTTTTCCAATCCTTCAGATATCCCTGATCAAGTTATAAGAGTTTTCAAAGTGGATCAG
 CAAAGTTGCTACATTATCATCAGTAAAGACACCACAGCTAAAGAAGTAGTTTTTCATGCT
 GTTCATGAATTTGGTTTGACCGGTGCATCCGACACATATCTCTCTGTGAAGTTTCTGTT
 ACTCCTGAGGGTGCATAAAACAGAGAAGACTTCCAGATCAGTTCTCAAATTAGCTGAT
 AGAATCAACTCAATGGAAGGTATTACTTAAAAATAACATGGAAACAGAAACCTTATGT
 TCAGATGAAGATGCTCAAGAAGTAAAGGAAAGCCAGCTATCCATGCTGCAGCTCAGT
 ACCATTGAGGTGGCCACCAGCTGTCAATGAGGGACTTTGATTTGTTTCGTAATATTGAA
 CCGACTGAGTACATCGATGACCTTTTTAAGTTAAATTCAAAACAGGAAATACTCATTTG
 AAGAGGTTTGAGGACATTGTAACCAAGAGACATTCTGGGTTGCCTCAGAAATTTAACT
 GAAGCAAATCAGCTCAAACGAATGAAGATTATTAAGCATTTTATTAATTTGCACTTCAT
 TGTCGAGAAATGAAGAATCAATTCCATGTTTGAATAATAAGTGGCTTGAACCTGGCA
 TCTGTAGCAAGACTCAGAGGAACCTGGGAAAAGTTACCAAGCAAATACGAGAAACATCTT
 CAAGATCTACAAGACATTTTTGATCCATCTAGAAAACATGGCAAAGTATAGAAATATTCTT
 AGTAGTCAAAGTATGCAGCCTCCAATTATTCCACTCTTCCCTGTTGTCAAGAAAGATATG
 ACATTTCTACATGAAGGAAATGACTCCAAGTAGATGGTTTAGTAACTTTGAGAAGTTA
 AGAATGATTTCCAAGGAAATCCGCCAAGTTGTTGCAATGACTTCTGCTAACATGGACCCA
 GCTATGATGTTTTCGACAGAGGAAGAAGAGGTGGCGGAGTCTGGGGTCACTGAGTCAAGGA
 AGCACAAATCAAACATGCTGGATGTTCCAGGGAGGTGCTCACAAAAAAGGGCACGCCGC
 AGCTCTCTGCTTAAATGCCAAGAAGCTATATGAGGATGCCCAAATGGCAAGGAAGGTGAAG
 CAGTATCTTCCAGTCTCGATGTAGAGACAGATGAGGAGAAGTCCAGATGATGTATTA
 CAGTGGGAGCCTGCATATGGTACCTTGACCAAGAATTTAAGTGAGAAAAGATCAGCCAAA
 TCATCTGAAATGTCTCCAGTGCCTATGAGGTGAGCTGGCCAAACAATAAGCCCACTTG
 CATCAACCCACAGAGTAAGCCAGGTGCTTCCAGGTGCCAGCTGTTAATTTGCACCCCATC
 AGGAAGAAGGGACAAAACAAAAGACCCTGCAGTGAATAACAAGTTTACCTCAGAAAGTTTTA
 GGAACAACCTGAAGAAATAAGTGGTAAGAAGCATACAGAAGACACTATTTCTGTGGCGTCA
 TCTTTACATTCTAGTCTCCTGCATCTCCTCAAGGCTCCCCTCACAAAGGTTACACACTT
 ATTCCATCAGCTAAATCTGACAACCTGTCTGACTCCAGCCATAGTGAGATTTCTTACCGG
 TCCAGCATCGTGAGCAATTGTTCTGTTGACTCCAATGCTCTGCAGCTCTACAGGATGAACGG
 TGTTCTCTCAGGCCCTGGCAGTCCCTGAATCCACTGGGGCATTGAAAAAGACAGAGCAC
 GCTTCAGGGATAGGAGATCATAGTCAACATGGCCCTGGGTGGACTCTTGAAGCCATCT
 CTAATCAAGTGTTTAGCTGTCTCATCGTCTGTGAGCAATGAAGAGATTTCTCAAGAGCAT
 ATCATTATAGAAGCAGCTGACAGTGGTGGTGGAAAGTTGGACTTCGTGTTCAAGCAGCTCC
 CATGACAACCTTCAAAGCCTTCAAACCCAAAAAGCTGGGATTTTTTGAACCTTACAGA
 CATACCCATTTGGATGACCCATTGCTGAAGTTGAACCCACTGACTCTGAGCCCTATTCC
 TGTTCTAAAAGCTGCTCTAGAACTGTGGGCAGTGTAAAGGAAGCCTAGAGAGAAAGAGT
 TGGACCTCCTCCAGTTCTCTGTCTGACACGTATGAACCAAATATGGGACAGTTAAACAG
 AGAGTATTGGAGAGCACCCAGCTGAGTCATCTGAAGGCTTGGACCCCAAGGATGCCACT
 GACCCAGTTTATAAACTGTCACTTCAAGTACAGAAAAGGGCTTGATTGTGTAAGTGTGTC
 ACCTCACCAAGAAGGACGATAGGTATAGGGAGCCACCTCCCCTCCTCCAGGATATTTG
 GGGATTTCTTTAGCGGACCTAAAGGAAGGACCCACACACCTAAAACCTCCAGATTAT

AGTGTGGCAGTGCAGAGGTCAAAGATGATGCATAACAGCCTCTCTAGACTGCCACCACT
TCTCTCAGTAGCAACCTCGTGGCCTGTGTTCCATCGAAGATTGTAACCTCAGCCTCAGAGG
CATAATTTGCAGCCATTCCATCCTAAACTAGGAGATGTGACTGATGCAGATAGCGAAGCA
GATGAAAATGAACAAGTTTCAGCAGTC

Restriction Sites:	Please inquire
ACCN:	NM_001164386
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001164386.1</u> , <u>NP_001157858.1</u>
RefSeq Size:	8395 bp
RefSeq ORF:	4830 bp
Locus ID:	51735
UniProt ID:	<u>Q8TEU7</u>
Cytogenetics:	5q31.1
Gene Summary:	Guanine nucleotide exchange factor (GEF) for Rap1A, Rap2A and M-Ras GTPases. Does not interact with cAMP.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).