

Product datasheet for SC327715

RAGEF2 (RAPGEF6) (NM_001164388) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAGEF2 (RAPGEF6) (NM_001164388) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAGEF2
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_001164388, the custom clone sequence may differ by one or more nucleotides <pre> ATGAACTCACCCGTGGACCCTGGCGCTAGGCAGGCGTTGAGGAAGAAGCCACCCGAGCGG ACTCCCGAGGACTTAAATACTATTATTCTTATCTTCATGGAATGGAAATATTATCAAAT CTCAGGGAACATCAGCTTAGATTAATGTCTGCAAGAGCACGCTATGAGAGATACAGTGCC AATCAGGTTCTCTTTGTTGAGAAACGATTGCCAGATGTTGGTATATCCTACTTTCTGGA TCTGTGCTTGTAAGGCTCCATGGTCTTGCTCCTTGCAAGTTTGGTAAGCAGTTTGGG GGAAAAAGAGGATGTGATTGTCTGTATTAGAGCCTTCAGAAATGATTGTGGTAGAGAAT GCCAAAGATAATGAAGATAGTATTCTACAAAGAGAAATTCCTGCCAGACAATCCCGAAGA AGATTTTCGAAAATTAATAAAGGAGAGCGCCAAACCATTACTGATGATGTGGAGGTT AACAGCTATCTTTCTCTCCAGCTGATCTTACCAAGATGCATCTCACAGAAAACCTCAT CCACAGGTGACTCATGTGTCTTCTAGTCAGTCTGGTTGTAGCATTGCCAGTGACTCTGGA AGCAGCAGTTTATCTGATATCTATCAGGCTACGGAGAGTGAGGTAGGAGATGTAGATTTG ACACGCTCTCCAGAAGGACCTGTTGATTCTGAGGATGACGAAGAGGAAGATGAAGAGATT GATCGAACAGATCCATTGCAGGGGCGAGATCTTGTTGAGAAATGTCTTGAAAAAGAACCT GCAGACAAAACCTGATGATGACATTGAACAATTGCTGGAGTTTATGCACCAGCTCCCTGCA TTTGCAACATGACCATGTCTGTAAGGAGAGAACTCTGCTCAGTGATGATTTTTGAAGTG GTAGAGCAGGCTGGAGCTATTATTCTTGAAGATGGCAAGAGCTTGACTCATGGTATGTT ATTTTAAACGGCACTGTGGAAATCAGTCATCCAGATGGAAAAGTTGAAAATTTGTTTATG GGAAATAGTTTTGGAATTACTCCCACTCTGGATAAGCAGTACATGCATGGAATTGTCAGG ACTAAAGTAGATGATTGTGAGTTGTCTGCATAGCCAGCAAGATTATTGGAGAATTTTA AACCATGTGGAATAAATACCCATAAAGTTGAGGAAGAGGGAGAAATTGTTATGGTACAT GAGCATCGGGAAGTAGACCGGAGTGGAACAGGAAAGGACACATTGTGATCAAGGCAACA CCTGAGCGTCTCATAATGCATTTAATAGAAGAACATTCCATCGTGGATCCAACTTATATA GAAGATTTTCTATTAACCTACAGGACATTTCTTGAAAGTCCTTTGGATGTTGGGATCAAA CTATTGGAATGGTTTAAGATCGACAGCTTAAGAGATAAGGTGACACGGATTGTATTATTA TGGGTAATAATCATTTTAATGATTTTGAAGGTGACCCTGCTATGACTCGATTTCTAGAG </pre>


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 AGAGTATTGGAGAGCACCCAGCTGAGTCATCTGAAGGCTTGGACCCCAAGGATGCCACT
 GACCCAGTTTATAAACTGTCACTTCAAGTACAGAAAAGGGCTTGATTGAAAATGAACAA
 GTTTCAGCAGTC

Restriction Sites:	Please inquire
ACCN:	NM_001164388
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:	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_001164388.1, NP_001157860.1</u>
RefSeq Size:	8080 bp
RefSeq ORF:	4515 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 (4) lacks an alternate in-frame exon in the 3' coding region compared to variant 1. The resulting protein (isoform 4) is shorter than isoform 1.