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Product datasheet for SC303772

ARFGEF2 (NM_006420) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARFGEF2 (NM_006420) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARFGEF2
Synonyms:	BIG2; dJ1164I10.1; PVNH2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_006420 edited
ATGCAGGAGAGCCAGACCAAGAGCATGTTCGTGTCCCGGGCCCTGGAGAAGATCCTAGCC
GACAAGGAGGTGAAGCGGCCCCAGCACTCCCAGCTGCGCAGGGCCTGCCAGGTGGCGCTC
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006420 unedited
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3' Read Nucleotide Sequence:

>OriGene 3' genomic read for NM_006420 unedited
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AGACCCAGCACACATAATCAACACTTAAGCATTCTGAAAAAAAATAAGCCTTGGAAAAGT
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GTCAAATGTGCTAACATTTTCCCATCACAGTAAAGTTTTC

Restriction Sites: Please inquire

ACCN: NM_006420

Insert Size: 7900 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).

OTI Annotation: There are 7 nucleotide differences between the OriGene clone and the NCBI reference ORF. OriGene considers these to be polymorphisms and to reflect the natural differences between individuals. These result in the substitution of 4 amino acid.

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_006420.1, NP_006411.1
RefSeq Size:	5860 bp
RefSeq ORF:	5358 bp
Locus ID:	10564
UniProt ID:	Q9Y6D5
Cytogenetics:	20q13.13
Gene Summary:	ADP-ribosylation factors (ARFs) play an important role in intracellular vesicular trafficking. The protein encoded by this gene is involved in the activation of ARFs by accelerating replacement of bound GDP with GTP and is involved in Golgi transport. It contains a Sec7 domain, which may be responsible for its guanine-nucleotide exchange activity and also brefeldin A inhibition. [provided by RefSeq, Jul 2008]