

Product datasheet for RC216885

ARFGEF2 (NM_006420) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARFGEF2 (NM_006420) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARFGEF2
Synonyms:	BIG2; dj1164110.1; PVNH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216885 representing NM_006420 Red=Cloning site Blue=ORF Green=Tags(s)

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AGTTCTTTT GAGCACAGGTGGATGGTCATT CAGACTCTGACGAGGATCTGTGCAGATGCCAGTGTGTTG
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Protein Sequence:

>RC216885 representing NM_006420
 Red=Cloning site Green=Tags(s)

MQESQTKSMFVSRALAKILADKEVKRPQHSQLRACQVALDEIKAEIEKQRLGTAAPPKANFIEADKYFL
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 PAAIDSFQDAVKCLSEFACNAAFPDTSMEAIRLIRFCGYVYSERPRVLQEYTSDDMNVPAGDRVWVRGWF
 PILLFELSCIIINRCKLDVTRRGLTVMFEIMKSYGHTFEKHWWQDLFRIVFRIFDNMMLPEQLSEKSEWMTT
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 LFKLLDCLQESHFSKAFNSNYEQRTVLWRAGFKGKSKPNLLKQETSSLACCLRILFRMYVDENRRDSWE
 EIQQRLLTVCSEALAYFITVNSESHREAWTSLLLLLLTKTLKINDEKFKAHASMYYPYLCEIMQFDLIP
 LRAVLRKFFLRIGVVYKIWIPEEPSQVPAALSPVW

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_006420

ORF Size: 5355 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_006420.3](#)

RefSeq Size: 9004 bp

RefSeq ORF: 5358 bp

Locus ID: 10564

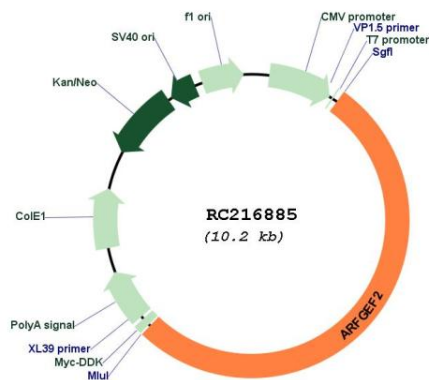
UniProt ID: [Q9Y6D5](#)

Cytogenetics: 20q13.13

MW: 202.5 kDa

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]

Product images:



Circular map for RC216885