

Product datasheet for **SC318713**

ARFGEF3 (NM_020340) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ARFGEF3 (NM_020340) Human Untagged Clone
Tag: Tag Free
Symbol: ARFGEF3
Synonyms: A7322; BIG3; C6orf92; dj171N11.1; KIAA1244; PPP1R33
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_020340, the custom clone sequence may differ by one or more nucleotides

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GCTGTGAGGGAGTGGCTGGGCAGGGTGGGCCGTGTCTATGACATCATTGTG

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Restriction Sites:

Please inquire

ACCN:

NM_020340

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: [NM_020340.3](#), [NP_065073.3](#)

RefSeq Size: 8847 bp

RefSeq ORF: 6534 bp

Locus ID: 57221

UniProt ID: [Q5TH69](#)

Cytogenetics: 6q23.3-q24.1

Gene Summary: Participates in the regulation of systemic glucose homeostasis, where it negatively regulates insulin granule biogenesis in pancreatic islet beta cells (By similarity). Also regulates glucagon granule production in pancreatic alpha cells (By similarity). Inhibits nuclear translocation of the transcriptional coregulator PHB2 and may enhance estrogen receptor alpha (ESR1) transcriptional activity in breast cancer cells (PubMed:19496786).[UniProtKB/Swiss-Prot Function]