

Product datasheet for **SC316029**

RASAL3 (NM_022904) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RASAL3 (NM_022904) Human Untagged Clone
Tag:	Tag Free
Symbol:	RASAL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

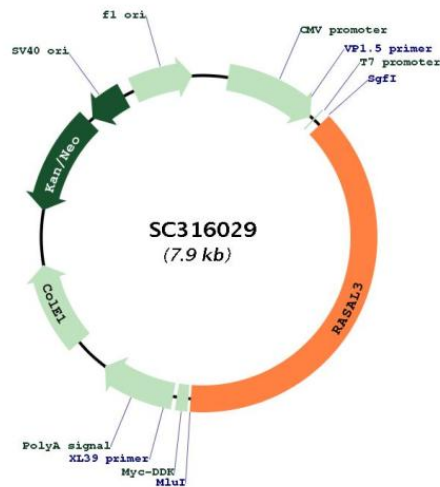
Fully Sequenced ORF: >SC316029 representing NM_022904.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_022904

Insert Size: 3036 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: 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_022904.1](#)

RefSeq Size: 3290 bp

RefSeq ORF: 3036 bp

Locus ID: 64926

UniProt ID: [Q86YV0](#)

Cytogenetics: 19p13.12

MW: 111.9 kDa

Gene Summary: This gene belongs to the Ras GTPase-activating proteins (RasGAP) family and encodes a protein with pleckstrin homology (PH), C2, and Ras GTPase-activation protein (RasGAP) domains. This protein is localized near or at the plasma membrane when expressed exogenously. Reduced expression of this gene in some cell lines resulted in increased levels of the active form of Ras (Ras-GTP), suggesting that this gene may play a role in negatively regulating the Ras signaling pathway. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2017]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).