

Product datasheet for **SC325319**

GRAF (ARHGAP26) (NM_001135608) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRAF (ARHGAP26) (NM_001135608) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRAF
Synonyms:	GRAF; GRAF1; OPHN1L; OPHN1L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC325319 representing NM_001135608.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
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GCTGAACATGACTCAGAATTTTCGTTTACAGCAGGCACGGTCTTCGATAACGTTACCCATCTCAGGAG
CCTGGCTGGTTGGAGGGGACTCTGAACGGAAAGACTGGCCTCATCCCTGAGAATTACGTGGAGTTCTCT
TAA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001135608

Insert Size: 2280 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:	<ol style="list-style-type: none">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_001135608.1
RefSeq Size:	8876 bp
RefSeq ORF:	2280 bp
Locus ID:	23092
UniProt ID:	Q9UNA1
Cytogenetics:	5q31.3
Protein Families:	Druggable Genome
MW:	86.2 kDa
Gene Summary:	<p>Interaction of a cell with the extracellular matrix triggers integrin cell surface receptors to begin signaling cascades that regulate the organization of the actin-cytoskeleton. One of the proteins involved in these cascades is focal adhesion kinase. The protein encoded by this gene is a GTPase activating protein that binds to focal adhesion kinase and mediates the activity of the GTP binding proteins RhoA and Cdc42. Defects in this gene are a cause of juvenile myelomonocytic leukemia (JMML). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2017]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>