

Product datasheet for **SC314187**

POGK (NM_017542) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POGK (NM_017542) Human Untagged Clone
Tag:	Tag Free
Symbol:	POGK
Synonyms:	BASS2; KRBOX2; LST003
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



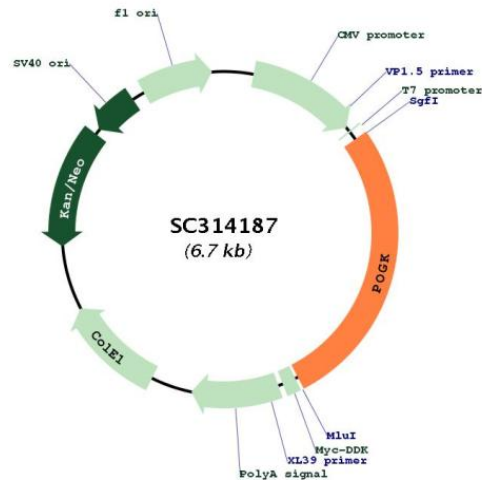
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Fully Sequenced ORF: >SC314187 representing NM_017542.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAGTCCACAGCCTACCCTCTCAATTTGAGCCTGAAAGAAGAGGAAGAGGAAGAAGAGATTCAGAGC
CGGGAAGTAGAGGACGGCCCGGACAGACATGCAGAAAGTACGAATCTGCTCTGAGGGCGGATGGGTACCG
GCCCTATTTGATGAGGTGGCCATATATTTTCCGATGAGGAATGGGAAGTTTGGACGGAGCAACAAAAG
GCCCTCTACCGGGAAGTCATGAGGATGAATTATGAAACTGTCCTGTCCCTGGAATTCCTCATTCCCTAAG
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GATTGTGACACCGAAAGCATGGCTGAGAGCAACTGA
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TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_017542

Insert Size: 1830 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_017542.4](#)

RefSeq Size: 5807 bp

RefSeq ORF: 1830 bp

Locus ID: 57645

UniProt ID: [Q9P215](#)

Cytogenetics: 1q24.1

Domains: KRAB, DDE, CENPB
Protein Families: Transcription Factors
MW: 69.4 kDa

Gene Summary: The exact function of the protein encoded by this gene is not known. However, this gene product contains a KRAB domain (which is involved in protein-protein interactions) at the N-terminus, and a transposase domain at the C-terminus, suggesting that it may belong to the family of DNA-mediated transposons in human. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). 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.