

Product datasheet for **MG213183**

Pogk (NM_175170) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pogk (NM_175170) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pogk
Synonyms:	9130401E23Rik; BASS2; mKIAA1513
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG213183 representing NM_175170
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATCTGGAAAACCCAGAAATGGAGTCCCGGCCCTACCCTCTGAATTTGACCCTGAAAGAAGAGCAAA
 AGGAGGAAGAGGTTGAGATCCAAGAGTTGGAGGATGGCCCATAGATATGCAGAAAAGTACAAATCTGCTC
 AGAAGGCGCATGGGTACCAGCTCTATTTGATGAGGTGGCCATATATTTCTCAGATGAGGAGTGGGAAGTT
 CTGACAGAGCAACAAAAAGCCCTCTACCGGAAGTCATGAGGATGAATTATGAGACTGTCCTGTCCCTGG
 AATTCCTATCCCAAGCCAGATATGATCAATCGGTTGAAAGGGACGAGGAGTGTCTAATTCTGATGA
 GTGGCGGCTCCAGGGAGTAACCTTTGCAGAAAATGAAGAATCTGACTTTAGGACTCCAGATTGGCAAGC
 CCGACGAATGCCACCTCCATTTTCTCAACCTCAGCCCTTCAACAGCTTTGGCCTGCGTCTGCCTCAGG
 ACATCACTGAAGTGCCTGAGTGGACTGAGGGCTACCCCTTCTATATGGCCATGGGCTTCCCGGGTATGA
 CCTCTCAGCTGACGACTTGGCGAGCAAGTTTCAGTTCAGTCGTGGCATGCCCGCAGTTATGATGCAGGG
 TTCAAGCTGATGGTGGTGGAGTACGCCGAGAGCACCAACAACGTGTCAGGCTGCCAAGCAGTTTGGGGTGT
 TGGAAAAAATGTTTCGAGACTGGCGCAAAGTGAAGCCACAGCTCCAAAATGCTCATGCCATGCGCGGGGC
 ATTCGAGGCCCAAGAATGGAAGTTTGTCTGGTAGACCAGCGAGTGGCTGAGTATGTCAGATACATG
 CAGGCCAAAGGGGACCCTATCACTAGGGAGGCAATGCAGTTGAAAGCTCTTGAATCGCCAGGAAATGA
 ACATTCAGAGAAAGGGTTCAAGGCAAGTCTGGGCTGGTGTGGAAGAATGATGAGAAGGTATGACCTGTC
 TCTGAGGCATAAAGTCCAGTCCCTCAACACCTGGCCGAGGACCTGACTGAAAAGCTTGTCACTTACCAG
 CAGAGTGTGCTGGCTCTGCGCAGGACACAGACTATGAAGTGGCCAGATGGGCAATGCAGACGAGACGC
 CCATCTGCTTAGAAGTCCCTCTAGAGTACTGTTGACAACAGGGCGAAAAGCCCATCTTGGTCAAGAC
 ACCAGGCAGGGAGAAAATTGAGGATCACAGCCATGCTGGGGTCTTGGCTGATGGGAGGAAGTTACCACCG
 TACATCATTTTGGAGGGAACATACATCCCCCTGGGAAGTTTCCAGTGGCATGGAGATCCGCTGCCACC
 GCTACGGATGGATGACTGAGGACTTGTGCAAGACTGGTTGGAAGTTGTGTGGAGACGGAGAAGTGGAGC
 TGTGCCAGACAGCGAGGGATGCTGATCCTGAATGGCTTCCGGTCCCATGCCACTGACTCTGTGAAGAGT
 TCCATGGAGAACATGAACACGGACATGGTATCATCCAGGGGGCCTGACCTCCAGCTGCAGGTGCTGG
 ATGTCGTTGTCTACAAGCCTCTGAACGACAGCGTTCGGGCCAGTATTCCAAGTGGCTTCTGGCTGGAA
 CCTGGCACTCAGCCCACTGAAATGCTAAGAAGCCCCCTGGGCTCTTCTGGAGTGGATCATGGTT
 GCATGGAACAGCATCTCAAGTGAATCAATTGTCCAGGGGTTGAGAAAGTCCACATCTCCAGCAACTTAG
 AGGACGAAGGTGACGTCCTCTGGAAATCGAGGGCGAGTTGCCAAAGAACCGCCAAAAGATGTGGTCC
 TGAAGTGTGGCTGAGGGTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG213183 representing NM_175170
 Red=Cloning site Green=Tags(s)

MNLENPEMESRAYPLNLTLEEKQKEEVEIQELEDGPIDMQKVQICSEGAWPALFDEVAIYFSDEEWEV
 LTEQQKALYREVMRMNYETVLSLEFFPKPDMINRLERDEECPNSDEWRLQGVTF AENESDFRTPDWAS
 PTNATSHFPQPQPFNSFGLRPLQDITELPEWTEGYPFYAMGFPGYDL SADDLASKFQFSRGMRRSYDAG
 FKLMMVVEYAESTNNCQAAKQFVLEKNVRDWRKVQPQLQNAHAMRRAFRGPKNGRFALVDQRVAEYVRYM
 QAKGDPITREAMQLKALEIAQEMNIPEKGFKASLWCRMMRRYDLSLRHKVPVPQHLAEDLTEKLVYQ
 QSVLALRRTHDYEAQMNADETPICLEVPSRVTVDNQGEKPILVKTPGREKLRITAMLGVLADGRKLPP
 YIILRGTYIPPGKFPSPGMEIRCHRYGWMTELDLMDWLEVVWRRRTGAVPRQRGMLILNGFRCHATDSVKS
 SMENMNTDMVIIPGGLTSQLQVLDVVVYKPLNDSVRAQYSNWLLAGNLALSPTGNACKPPLGLFLEWIMV
 AwnsissesivqgfrkchissnledegdvLWEIEGELPKPEPPKECGPESVAEGD

TRTRPLE - GFP Tag - V

Restriction Sites:

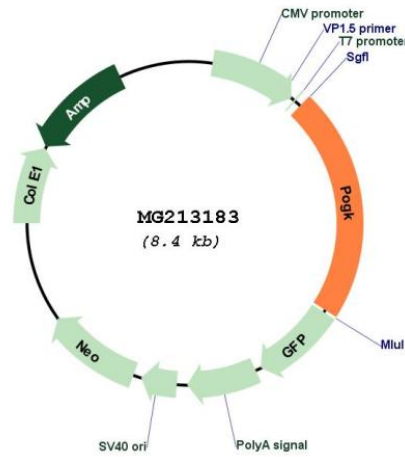
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_175170
 ORF Size: 1842 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:	<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_175170.4 , NP_780379.2
RefSeq Size:	7385 bp
RefSeq ORF:	1845 bp
Locus ID:	71592
UniProt ID:	Q80TC5
Cytogenetics:	1 H2.3