

Product datasheet for **MG209555**

Pogk (BC072587) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pogk (BC072587) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pogk
Synonyms:	BASS2, mKIAA1513
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209555 representing BC072587
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGCCACAGCCTTCGTCGCCCTTTCGCGGACGCCGCCGCTCGCCGGAAATGGAGTCCCGGG
 CCTACCCTCTGAATTTGACCCTGAAAGAAGAGCAAAAAGGAGGAAGAGTTGAGATCCAAGAGTTGGAGGA
 TGGCCCCATAGATATGCAGAAAGTACAAATCTGCTCAGAAGGCGCATGGGTACCAGCTCTATTTGATGAG
 GTGGCCATATATTTCTCAGATGAGGAGTGGGAAGTTCTGACAGAGCAACAAAAAGCCCTCTACCGGGAAG
 TCATGAGGATGAATTATGAGACTGTCTGTCCCTGGAATCCCATCCCCAAGCCAGATATGATCAATCG
 GTTGAAAGGGACGAGGAGTGTCTAATTCTGATGAGTGGCGGCTCCAGGGAGTAACCTTTGCAGAAAAAT
 GAAGAATCTGACTTTAGGACTCCAGATTGGCAAGCCCGACGAATGCCACCTCCCATTTCTCAACCTC
 AGCCCTTCAACAGCTTTGGCCTCGCTCGCTCAGGACATCACTGAAGTCCCTGAGTGGACTGAGGGCTA
 CCCCTTCTATATGGCCATGGGCTTCCCGGGTATGACCTCTCAGCTGACGACTTGGCGAGCAAGTTTCAG
 TTCAGTCGTGGCATGCGCCGAGTTATGATGCAGGGTTCAAGCTGATGGTGGTGGAGTACGCCGAGAGCA
 CCAACAACGTGACGGCTGCCAAGCAGTTTGGGGTGTGGAAAAAATGTTTCGAGACTGGCGCAAAGTGAA
 GCCACAGCTCCAAAATGCTCATGCCATGCGCGGGCATTCCGAGGCCCAAGAATGGAAGTTTGTCTGTG
 GTAGACCAGCGAGTGGCTGAGTATGTCAGATACATGCAGGCCAAAGGGGACCCTATCACTAGGGAGGCAA
 TGCAGTTGAAAGCTTTGAAATCGCCAGGAAATGAACATCCAGAGAAAGGGTTCAAGGCAAGTCTGGG
 CTGGTGTGAAGAATGATGAGAAGGTATGACCTGTCTCTGAGGCATAAAGTCCAGTCCCTCAACACCTG
 CGCGAGGACCTGACTGAAAAGCTTGTCACTTACCAGCAGAGTGTGCTGGCTCTGCGCAGGACACAGACT
 ATGAAGTGGCCAGATGGCAATGCAGACGAGACGCCCATCTGCTTAGAAGTCCCTCTAGAGTACTGT
 TGACAACCAAGGGCGAAAAGCCCATCTTGGTCAAGACACCAAGCAGGAGAAATGAGGATCACAGCCATG
 CTGGGGTCTTGGCTGATGGGAGGAAGTTACCACCGTACATCATTTTGGGGGAACATACATCCCCCTG
 GGAAGTTTCCAGTGGCATGGAGATCCGCTGCCACCGCTACGGATGGATGACTGAGGACTTGTGCAAGA
 CTGGTTGGAAGTTGTGTGGAGACGGAGAACTGGAGCTGTGCCAGACAGCGAGGGATGCTGATCCTGAAT
 GGCTTCCGGTCCCATGCCACTGACTCTGTGAAGAGTTCCATGGAGAACATGAACACGGACATGGTGTCA
 TCCAGGGGGCTGACCTCCAGCTGCAGGTGCTGGATGTCGTTGTCTACAAGCCTCTGAACGACAGCGT
 TCGGGCCAGTATCCAAGTGGCTTCTGGCTGGGAACCTGGCACTCAGCCCCACTGAAAATGCTAAGAAG
 CCCCCCTGGGCCTTCTCTGGAGTGGATCATGGTTGCATGGAACAGCATCTCAAGTGAATCAATTTGCC
 AGGGGTTTCAGAAAGTGCCACATCTCCAGCAACTTAGAGGACGAAGGTGAGTCTCTGGAAATCGAGGG
 CGAGTTGCCCAAAGAACCGCCAAAAGAATGTGGTCTGAAAGTGTGGCTGAGGGTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209555 representing BC072587
 Red=Cloning site Green=Tags(s)

MPGHSLRRPLRRRPLGREMESRAYPLNLTLEEQKEEEVEIQELEDGPIDMQKVQICSEGAWVPALFDE
 VAIYFSDEEWEVLTEQQKALYREVMRMNYETVLSLEFPFKPDMINRLERDEECPNSDEWRLQGVTFDEN
 EESDFRTPDWASPTNATSHFPQPQPFNSFGLRPLQDITELPEWTEGYPFYAMGFPGYDL SADDLASKFQ
 FSRGMRRSYDAGFKLMVVEYAESTNNCQAAKQFVLEKNVRDWRKVKPQLQNAHAMRRFRGPKNGRFAL
 VDQRVAEYVRYMQAKGDPITREAMQLKALEIAQEMNIPEKGFKASLGWCRMMRRYDL SLRHKVVPQHL
 AEDLTEKLVTYQQSVLALRRTHDYEAQMGNADETPICLEVPSRVTVDNQGEKPILVKTPGREKLRTAM
 LGVLADGRKLPYIILRGTIIPPCKFSPGMEIRCHRYGWMTEDLMDQWLEVVWRRRTGAVPRQRGMLILN
 GFRCHATDSVKSSMENMNTDMVIIPGGLTSQLQVLDVVVYKPLNDSVRAQYSNWLLAGNLALSPTVNAKK
 PPLGLFLEWIMVAWNSISSESIYQGFVKCHISSNLEDEGDVLEWIEGELPKPEKPCGPESVAEGD

TRTRPLE - GFP Tag - V

Restriction Sites:

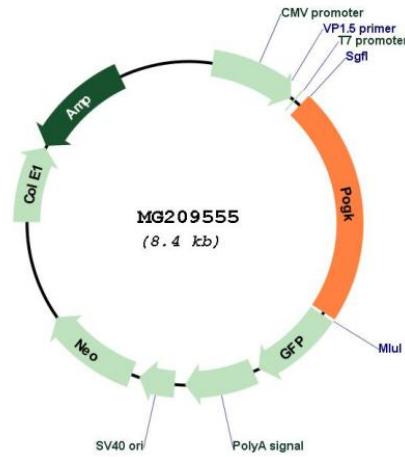
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC072587
 ORF Size: 1880 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:	BC072587 , AAH72587
RefSeq Size:	2451 bp
RefSeq ORF:	1880 bp
Locus ID:	71592
Cytogenetics:	1 H2.3