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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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGGGCCACAGCCTTCGTCGCCCTTTGCGGCGACGCCGCCCGCTCGGCCGGGAAATGGAGTCCCGGG
CCTACCCTCTGAATTTGACCCTGAAAGAAGAGCAAAAGGAGGAAGAGGTTGAGATCCAAGAGTTGGAGGA
TGGCCCCATAGATATGCAGAAAGTACAAATCTGCTCAGAAGGCGCATGGGTACCAGCTCTATTTGATGAG
GTGGCCATATATTTCTCAGATGAGGAGTGGGAAGTTCTGACAGAGCAACAAAAAGCCCTCTACCGGGAAG
TCATGAGGATGAATTATGAGACTGTCCTGTCCCTGGAATTCCCATTCCCCAAGCCAGATATGATCAATCG
GTTGGAAAGGGACGAGGAGTGTCCTAATTCTGATGAGTGGCGGCTCCAGGGAGTAACCTTTGCAGAAAAT
GAAGAATCTGACTTTAGGACTCCAGATTGGGCAAGCCCGACGAATGCCACCTCCCATTTTCCTCAACCTC
AGCCCTTCAACAGCTTTGGCCTGCGTCTGCCTCAGGACATCACTGAACTGCCTGAGTGGACTGAGGGCTA
CCCCTTCTATATGGCCATGGGCTTCCCCGGGTATGACCTCTCAGCTGACGACTTGGCGAGCAAGTTTCAG
TTCAGTCGTGGCATGCGCCGCAGTTATGATGCAGGGTTCAAGCTGATGGTGGTGGAGTACGCCGAGAGCA
CCAACAACTGTCAGGCTGCCAAGCAGTTTGGGGTGTTGGAAAAAAATGTTCGAGACTGGCGCAAAGTGAA
GCCACAGCTCCAAAATGCTCATGCCATGCGGCGGGCATTCCGAGGCCCCAAGAATGGAAGGTTTGCTCTG
GTAGACCAGCGAGTGGCTGAGTATGTCAGATACATGCAGGCCAAAGGGGACCCTATCACTAGGGAGGCAA
TGCAGTTGAAAGCTCTTGAAATCGCCCAGGAAATGAACATTCCAGAGAAAGGGTTCAAGGCAAGTCTGGG
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GCCGAGGACCTGACTGAAAAGCTTGTCACTTACCAGCAGAGTGTGCTGGCTCTGCGCAGGACACACGACT
ATGAAGTGGCCCAGATGGGCAATGCAGACGAGACGCCCATCTGCTTAGAAGTCCCCTCTAGAGTGACTGT
TGACAACCAGGGCGAAAAGCCCATCTTGGTCAAGACACCAGGCAGGGAGAAATTGAGGATCACAGCCATG
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GGAAGTTTCCCAGTGGCATGGAGATCCGCTGCCACCGCTACGGATGGATGACTGAGGACTTGATGCAAGA
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GGCTTCCGGTGCCATGCCACTGACTCTGTGAAGAGTTCCATGGAGAACATGAACACGGACATGGTGATCA
TCCCAGGGGGCCTGACCTCCCAGCTGCAGGTGCTGGATGTCGTTGTCTACAAGCCTCTGAACGACAGCGT
TCGGGCCCAGTATTCCAACTGGCTTCTGGCTGGGAACCTGGCACTCAGCCCCACTGTAAATGCTAAGAAG
CCCCCCCTGGGCCTCTTCCTGGAGTGGATCATGGTTGCATGGAACAGCATCTCAAGTGAATCAATTGTCC
AGGGGTTCAGAAAGTGCCACATCTCCAGCAACTTAGAGGACGAAGGTGACGTCCTCTGGGAAATCGAGGG
CGAGTTGCCCAAAGAACCGCCAAAAGAATGTGGTCCTGAAAGTGTGGCTGAGGGTGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

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

MPGHSLRRPLRRRRPLGREMESRAYPLNLTLKEEQKEEEVEIQELEDGPIDMQKVQICSEGAWVPALFDE
VAIYFSDEEWEVLTEQQKALYREVMRMNYETVLSLEFPFPKPDMINRLERDEECPNSDEWRLQGVTFAEN
EESDFRTPDWASPTNATSHFPQPQPFNSFGLRLPQDITELPEWTEGYPFYMAMGFPGYDLSADDLASKFQ
FSRGMRRSYDAGFKLMVVEYAESTNNCQAAKQFGVLEKNVRDWRKVKPQLQNAHAMRRAFRGPKNGRFAL
VDQRVAEYVRYMQAKGDPITREAMQLKALEIAQEMNIPEKGFKASLGWCRRMMRRYDLSLRHKVPVPQHL
AEDLTEKLVTYQQSVLALRRTHDYEVAQMGNADETPICLEVPSRVTVDNQGEKPILVKTPGREKLRITAM
LGVLADGRKLPPYIILRGTYIPPGKFPSGMEIRCHRYGWMTEDLMQDWLEVVWRRRTGAVPRQRGMLILN
GFRCHATDSVKSSMENMNTDMVIIPGGLTSQLQVLDVVVYKPLNDSVRAQYSNWLLAGNLALSPTVNAKK
PPLGLFLEWIMVAWNSISSESIVQGFRKCHISSNLEDEGDVLWEIEGELPKEPPKECGPESVAEGD

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

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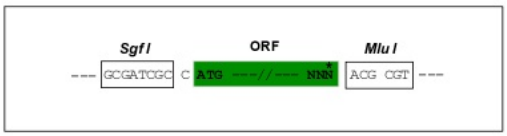
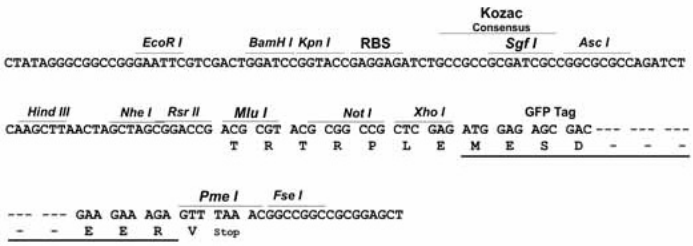
Cloning Scheme:





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:	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

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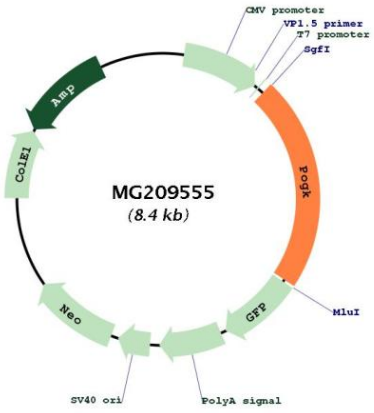
Product images:



Circular map for MG209555

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