

Product datasheet for **MR209555**

Pogk (NM_001142948) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pogk (NM_001142948) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pogk
Synonyms:	9130401E23Rik; BASS2; mKIAA1513
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209555 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCGGCCACAGCCTTCGTCGCCCTTTCGCGGACGCCGCCGCTCGCCGGGAAATGGAGTCCCGGG
 CCTACCCTCTGAATTTGACCTGAAAGAAGAGCAAAAGGAGGAAGAGTTGAGATCCAAGAGTTGGAGGA
 TGGCCCCATAGATATGCAGAAAGTACAAATCTGCTCAGAAGCGCATGGGTACCAGCTCTATTTGATGAG
 GTGGCCATATATTTCTCAGATGAGGAGTGGGAAGTTCTGACAGAGCAACAAAAAGCCCTCTACCGGGAAG
 TCATGAGGATGAATTATGAGACTGTCTGTCCCTGGAATCCCATCCCCAAGCCAGATATGATCAATCG
 GTTGAAAGGGACGAGGAGTGTCTAATTCTGATGAGTGGCGGCTCCAGGGAGTAACCTTTGCAGAAAAAT
 GAAGAATCTGACTTTAGGACTCCAGATTGGCAAGCCCGACGAATGCCACCTCCCATTTCTCAACCTC
 AGCCCTTCAACAGCTTTGGCCTGCGTCTGCCTCAGGACATCACTGAAGTCCCTGAGTGGACTGAGGGCTA
 CCCCTTCTATATGGCCATGGGCTTCCCGGGTATGACCTCTCAGCTGACGACTTGGCGAGCAAGTTTCAG
 TTCAGTCGTGGCATGCGCCGAGTTATGATGCAGGGTTCAAGCTGATGGTGGTGGAGTACGCCGAGAGCA
 CCAACAAGTGTCCAGGCTGCCAAGCAGTTTGGGGTGTGGAAAAAATGTTTCGAGACTGGCGCAAAGTGAA
 GCCACAGCTCCAAAATGCTCATGCCATGCGCGGGGCAATCCGAGGCCCAAGAATGGAAGTTTGTCTGTG
 GTAGACCAGCGAGTGGCTGAGTATGTCAGATACATGCAGGCCAAAGGGGACCCTATCACTAGGGAGGCAA
 TGCAGTTGAAAGCTTTGAAATCGCCAGGAAATGAACATCCAGAGAAAGGGTTCAAGGCAAGTCTGGG
 CTGGTGTGGAAGAATGATGAGAAGGTATGACCTGTCTCTGAGGCATAAAGTCCAGTCCCTCAACACCTG
 GCCGAGGACCTGACTGAAAAGCTTGTCACTTACCAGCAGAGTGTGCTGGCTCTGCGCAGGACACACGACT
 ATGAAGTGGCCAGATGGCAATGCAGACGAGACGCCCATCTGCTTAGAAGTCCCCTCAGAGTGGATGT
 TGACAACCAAGGGCGAAAAGCCCATCTTGGTCAAGACACCAAGCAGGAGGAGAAATTGAGGATCACAGCCATG
 CTGGGGTCTTGGCTGATGGGAGGAAGTTACCACCGTACATCATTTTGGGGGAACATACATCCCCCTG
 GGAAGTTTCCAGTGGCATGGAGATCCGCTGCCACCGCTACGGATGGATGACTGAGGACTTGTGCAAGA
 CTGGTTGGAAGTTGTGTGGAGACGGAGAAGTGGAGCTGTGCCAGACAGCGAGGGATGCTGATCCTGAAT
 GGCTTCCGGTGCCATGCCACTGACTCTGTGAAGAGTTCATGGAGAACATGAACACGGACATGGTGTCA
 TCCCAGGGGGCTGACCTCCCAGCTGCAGGTGCTGGATGTCGTTGTCTACAAGCCTCTGAACGACAGCGT
 TCGGGCCAGTATCCAAGTGGCTTCTGGCTGGGAACCTGGCACTCAGCCCCACTGAAATGCTAAGAAG
 CCCCCCTGGGCCTTCTCTGGAGTGGATCATGGTTGCATGGAACAGCATCTCAAGTGAATCAATTTGCC
 AGGGGTTCCAGAAAGTCCACATCTCCAGCAACTTAGAGGACGAAGGTGAGTCTCTGGAAATCGAGGG
 CGAGTTGCCCAAAGAACCGCCAAAAGAATGTGGTCTGAAAGTGTGGCTGAGGGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209555 protein sequence
 Red=Cloning site Green=Tags(s)

MPGHSRLRRPLRRRPLGREMESRAYPLNLTLEEKQKEEEVEIQELEDGPIDMQKVQICSEGAWVPALFDE
 VAIYFSDEEWEVLTEQQKALYREVMRMYETVLSLEFPFPKPDMINRLERDEECPNSDEWRLQGVTFDEN
 EESDFRTPDWASPTNATSHFPQPQPFNSFGLRLPQDITELPEWTEGYPFYAMGFPGYDL SADDLASKFQ
 FSRGMRRSYDAGFKLMVVEYAESTNNCQAAKQFVLEKNVRDWRKVKPQLQNAHAMRRFRGPKNGRFAL
 VDQRVAEYVRYMQAKGDPITREAMQLKALEIAQEMNIPEKGFKASLGWCRMMRRYDL SLRHKVPVPQHL
 AEDLTEKLVTYQQSVLALRRTHDYEAQMNADETPICLEVPSRVTVDNQGEKPIILVKTPGREKLRITAM
 LGVLADGRKLPYIILRGTYIPPQKFPSPGMEIRCHRYGWMTEDLMDQWLEVVWRRRTGAVPRQRGMLILN
 GFRCHATDSVKSSMENMNTDMVIIPGGLTSQLQVLDVVVYKPLNDSVRAQYSNWLLAGNLALSPTVNAKK
 PPLGLFLEWIMVAWNSISSESIYQVFRKCHISSNLEDEGDVLEIEGELPKPEKPCGPESVAEGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001142948

ORF Size: 1881 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: [NM_001142948.1](#), [NP_001136420.1](#)

RefSeq Size: 7051 bp

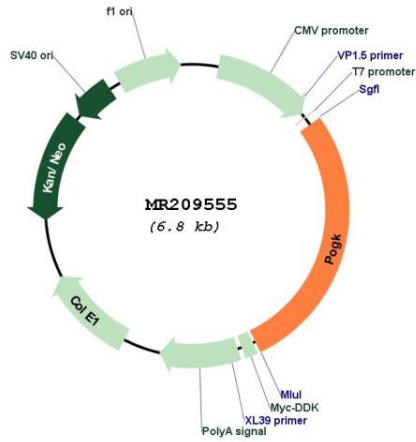
RefSeq ORF: 1881 bp

Locus ID: 71592

UniProt ID: [Q80TC5](#)

Cytogenetics: 1 H2.3
MW: 72 kDa

Product images:



Circular map for MR209555