

Product datasheet for **MR214206**

Poteg (NM_027618) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Poteg (NM_027618) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Poteg
Synonyms:	4921537P18Rik; 4930456F22Rik; Gsarp1; Gsarp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR214206 representing NM_027618
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTTTTCCATGAAGAAGATCTTTGGGGCTAAGGAAAAGACACCCTTGGGTTCTGTGATGCCCCAC
 AAATGACTGTCTCTGAGTTTTTCTCGGTGAAAATCCAACTATCCGAAATACCATAACAACATACAGACC
 GTTGGGGCATATTCACAGGGTGTCTGCTGAGGGTATGACAGCCGGATGGAGATTCTCTCACGCTTGGA
 CAATGCAACGTGTACCACAGAGACCGCAAGGACAGGACAGCTTTGCACCTTGCCTGTGTCTATGGCCGGC
 TACCAGTAGTGACCATTCTAGTGAAGAATAATTGTGAGATCGATGCCTTGGACAAGAACCATACCACACC
 TCTGATGAAGTCTGTCCAATGCTGGAAGCAGAAATGTGCGACCGTGTCTGGAGCACGGCGCTGATCCG
 AACATTAGAGACAGCAGTGGCAACAGTGCCTTGCCTACGCTGTGTACAACGGGCATCAGGAGATGGCT
 CCCTACTGCTTCACTACAACGCTGATATCGAACAAAAACCAAGGATGGCTTACACCACCTGTTGCTGGC
 ACTCCGAGAAAAGCGGGTGGAGGTGGCAGAGTTTTTGTAGTGAAGTGGGAGCAGACATACAGTGGTATG
 GAGCTGCAAGAAAACACCTTGATATACGCTATAAGATGTGGATCAAAAGATCTGTCTGTATTACTCCTTG
 AGAAAGGTATTGACTTCTTCTATAAGGATGTCTTCGGATGGACAGCATTACGCTACGCTATTGAAGCCA
 CTGTACTTTTAGACAGACACTTCTGGATTTTGAAGAAAGTCTACATAGTAACAAAAAGATAAGGAACCA
 GAACTACAAGTGGAGCCAGTACCTCCTGCATTTAGCAAAACAAATAGATGCTGGAAATGACTCACTAG
 CAAGGATCTCCAGCTGTCTAGCCCTGAGACTCCTGTGCTTACAATGAAGGAAGACGAGAACAGTATGTC
 CAGGAGTAACTCGGAGAGCAAGCCTCCTAACTGTGCTGGCAATCACCGCGGCTATAGACAAAGCATT
 GGAAATAGAGGAAAAAGAACTGTGGAAGCATGGGTTGAGAAAGATCCATCTTCAAGTCTGCTGCCGAAG
 TCAGAGACTCTGTTACAAATGAAGCAGTGGAAAGGATCAAGCTGTTGCCTCAGAAACAGAGTTAGAAAT
 GATGTCAGTAGAAGAAGATGTGTCTCATGAAAGTAAAAATGACCACCCTTTGAGAGAATCGGAGCATCTT
 CCAAGATCAAGTTGGCCATTCTCTGTTCAAGATATCAAATGGGAAAAATGAATATAAATCGACAAA
 TGAAGGTAGGATTAACATTTTATTAATAATTTATGTGATCACTTACTTATTCAAAACAGGTCAGTGTTA
 CATGATACTAAAACATTAT

**ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>MR214206 representing NM_027618
 Red=Cloning site Green=Tags(s)

MSFSMKKIFGAKEKTPLGFCDAPQMTVSEFFFGENPNYPKYHTTYRPLGHIHRVAAEGDAARMEILLTLG
 QCNVYHRDRKDRDALHFACVYGRLPVVTILVKNNCEIDALDKNHTTPLMKSVCWKQKCATVLLLEHGADP
 NIRDSSGNSALHYAVYNGHQEMASLLQLYNADIEQKTKDGFPLLLALREKRVEVAEFLVRMGADIHVVD
 ELQRNTLIYAIRCGSKDLSVLLLEKGIIDFFYKDVFGWTALRYAIEGHCTFRQTLDFEESLHSNKKDKEP
 ELQVEPSTSCILAKQIDAGNDSLARISSCPSPETPVLTMKEDENSARSNSESKPPNCAGNSPAAIDKAF
 GNRGKRTVEAWVEKDPSSESAEEVRSVTNEAVERIKLLPSETELELMSVEEDVSHESNDHPLRESEHL
 PKIKVGHSSRSYQMGKMNINRQMKGRINILLKIYVITYLFKTGHCYMLKH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9078_e11.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_027618

ORF Size: 1419 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_027618.1](#), [NP_081894.1](#)
RefSeq Size: 1706 bp

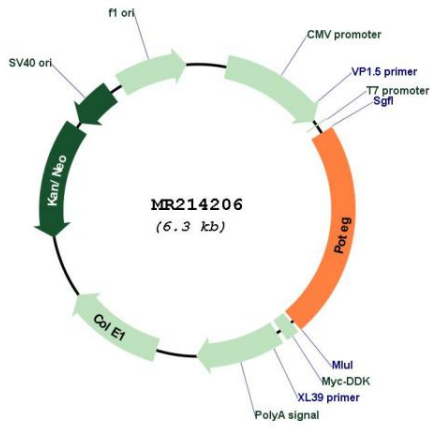
RefSeq ORF: 1422 bp

Locus ID: 70952

Cytogenetics: 8 A2

MW: 53.4 kDa

Product images:



Circular map for MR214206