

Product datasheet for **MG214206**

Poteg (NM_027618) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Poteg (NM_027618) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Poteg
Synonyms:	4921537P18Rik; 4930456F22Rik; Gsarp1; Gsarp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG214206 representing NM_027618
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTTTTCCATGAAGAAGATCTTTGGGGCTAAGGAAAAGACACCCTTGGGTTTCTGTGATGCCCCAC
 AAATGACTGTCTCTGAGTTTTTCTCGGTGAAAAATCCAACTATCCGAAATACCATAACAACATACAGACC
 GTTGGGGCATATTCACAGGGTTGCTGCTGAGGGTGATGCAGCCGGATGGAGATTCTCCTCACGCTTGA
 CAATGCAACGTGTACCACAGAGACCGCAAGGACAGGACAGCTTTGCACTTTGCCTGTGTCTATGGCCGGC
 TACCAGTAGTGACCATTCTAGTGAAGAATAATTGTGAGATCGATGCCTTGGACAAGAACCATACCACACC
 TCTGATGAAGTCTGTCCAATGCTGGAAGCAGAAATGTGCGACCGTGTGTACAACGGGCATCAGGAGATGGCT
 AACATTAGAGACAGCAGTGGCAACAGTGCCTTGCCTACGCTGTGTACAACGGGCATCAGGAGATGGCT
 CCCTACTGCTTCACTACAACGCTGATATCGAACAAAAACCAAGGATGGCTTACACCACCTGTTGCTGGC
 ACTCCGAGAAAAGCGGGTGGAGGTGGCAGAGTTTTTGTAGAAATGGGAGCAGACATACAGTGGTATAGT
 GAGCTGCAAGAAACACCTTGATATACGCTATAAGATGTGGATCAAAAGATCTGTCTGTATTACTCCTTG
 AGAAAGGTATTGACTTCTTCTATAAGGATGTCTTCGGATGGACAGCATTACGCTACGCTATTGAAGGCCA
 CTGTACTTTTAGACAGACACTTCTGGATTTTGAAGAAAGTCTACATAGTAACAAAAAGATAAGGAACCA
 GAACTACAAGTGGAGCCAGTACCTCCTGCATTTTAGCAAAACAATAGATGCTGGAAATGACTCACTAG
 CAAGGATCTCCAGCTGTCTAGCCCTGAGACTCCTGTGCTTACAATGAAGGAAGACGAGAACAGTATGC
 CAGGAGTAACCGGAGAGCAAGCCTCCTAACTGTGCTGGCAATCACCGCGGCTATAGACAAAGCATT
 GGAAATAGAGGAAAAAGAACTGTGGAAGCATGGGTTGAGAAAGATCCATCTTCAAGTCTGCTGCCGAAG
 TCAGAGACTCTGTTACAAATGAAGCAGTGGAAAGGATCAAGCTGTTGCCTTCAGAAACAGAGTTAGAAAT
 GATGTCAGTAGAAGAAGATGTGTCTCATGAAAGTAAAAATGACCACCCTTTGAGAGAATCGGAGCATCTT
 CCAAGATCAAGTTGGCCATTCTCTGTTCAAGATATCAAATGGGAAAAATGAATATAAATCGACAAA
 TGAAGGTAGGATTAACATTTTATTAATAATTTATGTGATCACTTACTTATTCAAAACAGGTCAGTGTTA
 CATGATACTAAAACATTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG214206 representing NM_027618
 Red=Cloning site Green=Tags(s)

MSFSMKKIFGAKEKTPLGFCDAPQMTVSEFFFGENPNYPKYHTTYRPLGHIHRVAAEGDAARMEILLTLG
 QCNVYHRDRKDRALHFACVYGRLPVVTILVKNNCEIDALDKNHTTPLMKSVCWKQKCATVLEHGADP
 NIRDSSGNSALHYAVYNGHQEMASLLLQYNADIEQKTKDGFPTLLLLALREKRVEVAEFLVRMGADIHVVD
 ELQRNTLIYAIRCGSKDLSVLLLEKIDFFYKDVFGWTALRYAIEGHCTFRQTLDFEESLHNSKKDKPE
 ELQVEPSTSCILAKQIDAGNDSLARISSCPSPETPVLTMKEDENS DARSNSESKPPNCAGNSPAAIDKAF
 GNRGKRTVEAWVEKDPSSESAEEVRSVTNEAVERIKLLPSETELELMSVEEDVSHESENDHPLRESEHL
 PKIKVGHSSRSQYQMGKMNINRQMKGRINILLKIYVITYLFKGTGHCYMLKH

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


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](#)

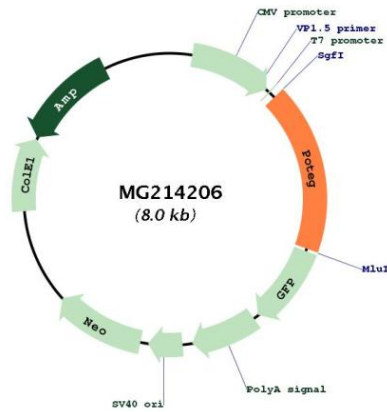
RefSeq Size: 1706 bp

RefSeq ORF: 1422 bp

Locus ID: 70952

Cytogenetics: 8 A2

Product images:



Circular map for MG214206