

Product datasheet for MR213429

Poteg (NM_026256) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Poteg (NM_026256) 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)
ORF Nucleotide Sequence: >MR213429 representing NM_026256
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTCCTTTTCCATGAAGAAGATCTTTGGGGCTAAGGAAAAGACACCCTTGGGTTTCTGTGATGCCCCAC
AAATGACTGTCTCTGAGTTTTTCTCGGTGAAAATCCAACTATCCGAAATACCATACAACATACAGACC
GTTGGGGCATATTCACAGGGTTGCTGCTGAGGGTATGCAGCCCGGATGGAGATTCTCTCACGCTTGA
CAATGCAACGTGTACCACAGAGACCGCAAGGACAGGACAGCTTTGCACTTGCCTGTGTCTATGGCCGGC
TACCAGTAGTGACCATTCTAGTGAAGAATAATTGTGAGATCGATGCCTTGGACAAGAACCATAACCACACC
TCTGATGAAGTCTGTCCAATGCTGGAAGCAGAAATGTGCGACCGTGTCTGCTGGAGCACGGCGCTGATCCG
AACATTAGAGACAGCAGTGGCAACAGTGCCTTGCCTACGCTGTGTACAACGGGCATCAGGAGATGGCCT
CCCTACTGCTTCACTACAACGCTGATATCGAACAAAAACCAAGGATGGCTTACACCACTGTTGTGCTGGC
ACTCCGAGAAAAGCGGGTGGAGGTGGCAGAGTTTTAGTAAAGATGGGAGCAGACATACACGTGGTAGAT
GAGCTGCAAGAAAACACCTTGATATACGCTATAAGATGTGGATCAAAAGATCTGTCTGTATTACTCTTG
AGAAAGGTATTGACTTCTTCTATAAGGATGTCTCGGATGGACAGCATTACGCTACGCTATTGAAGGCCA
CTGTACTTTTAGACAGACACTTCTGGATTTTGAAGAAAGTCTACATAGTAAACAAAAAGATAAGGAACCA
GAACTACAAGTGGAGCCAGTACCTCCTGCATTTAGCAAAACAATAGATGCTGGAATGACTCACTAG
CAAGGATCTCCAGCTGTCTAGCCCTGAGACTCCTGTGCTTACAATGAAGGAAGACGAGAACAGTATGC
CAGGGTAAACTGCTCCTCTGTGGAGTTACTTCTTGGCCTAAGTTTGTGTTTATTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR213429 representing NM_026256
Red=Cloning site Green=Tags(s)

MSFSMKKIFGAKEKTPLGFCDA PQMTVSEFFFGENPNYPKYHTTYRPLGHIHRVAAEGDAARMEILLTLG
 QCNVYHRDRKDRDTALHFACVYGRLPVVTILVKNNCEIDALDKNHTTPLMKSVQCWKQKCATVLLHGDGP
 NIRDSSGNSALHYAVYNGHQEMASLLLQYNADIEQKTKDGFPTLLLLALREKRVEVAEFLVRMGADIHVVD
 ELQRNTLIYAIRCGSKDLSVLLLEKIDFFYKDVFGWTALRYAIEGHCTFRQTLDDFEESLHSNKKDKPE
 ELQVEPSTSCILAKQIDAGNDSLARISSCPSPETPVLTKEDENSARVNCSSVELLPWPKFVFGLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_026256

ORF Size: 1041 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_026256.2](#), [NP_080532.1](#)

RefSeq Size: 1440 bp

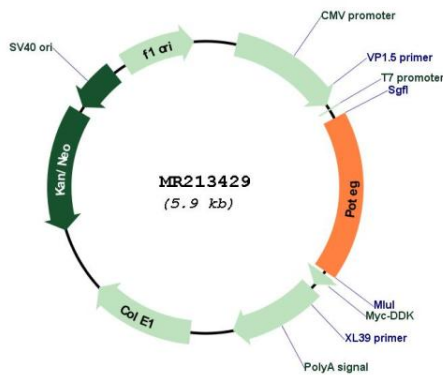
RefSeq ORF: 1044 bp

Locus ID: 70952

Cytogenetics: 8 A2

MW: 39.7 kDa

Product images:



Circular map for MR213429