

Product datasheet for MR211925

Pnpla6 (BC054789) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pnpla6 (BC054789) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pnpla6
Synonyms:	AI661849; MSws; Nte
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR211925 representing BC054789 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211925 representing BC054789
 Red=Cloning site Green=Tags(s)

MEAPLQTMVLGVMIGAVAVLVTAVLILLVRRRLRVQKTPAPEGPPRYFRKRDKVLFYGRKIMRKVSQS
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 DGSLWRYVRASMTLSGYLPPLCDPKDGHLLMDGGYINNLPAIDIARSMGAKTVIAIDVGSQDETDLSTYGD
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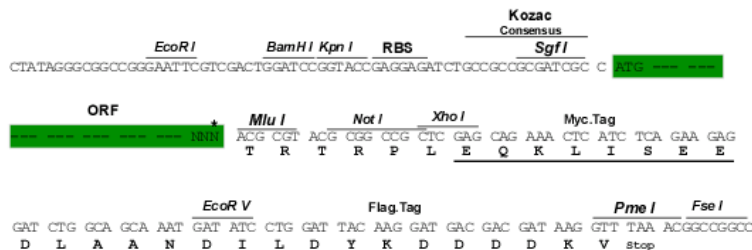
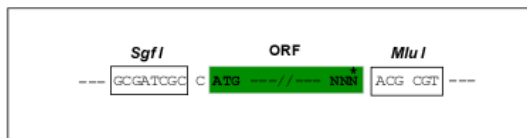
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

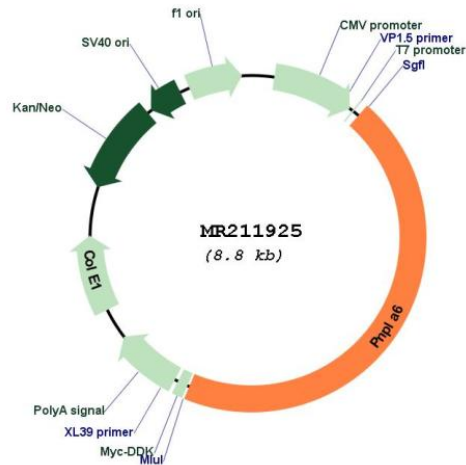
Cloning Scheme:

Sgfl-MluI

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: BC054789

ORF Size: 3969 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: [BC054789.1](#)

RefSeq Size: 4461 bp

RefSeq ORF: 3971 bp

Locus ID: 50767

Cytogenetics: 8 1.92 cM

MW: 163.6 kDa

Gene Summary:

Phospholipase B that deacylates intracellular phosphatidylcholine (PtdCho), generating glycerophosphocholine (GroPtdCho). This deacylation occurs at both sn-2 and sn-1 positions of PtdCho. Its specific chemical modification by certain organophosphorus (OP) compounds leads to distal axonopathy.[UniProtKB/Swiss-Prot Function]