

Product datasheet for **MR206214**

Inpp1 (NM_008384) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Inpp1 (NM_008384) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Inpp1
Synonyms:	2300002C06Rik; AV137389
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206214 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAGACATCCTCCTGGAGCTGCTCTGTGTCTCCGAGAAGGCTGCTAACATCGCCAGGGCGTGCAGGC
AGCAGGAGACCCTCTCCAGCTGCTCATTGAGGAGAAGAAAGGTGCAGAGAAGAACAAGAAGTTTGTCTGC
AGATTTCAAGACCCTGGCGGATGTGCTGGTGCAGGAAGTTATAAAACAGAACATGGAAAACAAGTTTCCA
GGCTTGGGGAAAAAGTTTTGGAGAAGAATCCAATGAGTTTACAAATGATTTGGGGAAAAAGATCACAG
TGGAGCTGCAGTCCACGGAGGAGGAGACGGCAGAGCTTCTCAGCAAGGTCCTAACGGCAACATGCCGGC
ATCGGAAGCGCTGGCTCAGGTGGTTCATGAGGACGTGGACTTAACTGATCCCACGCTGGAGTCCCTGGAC
ATCAGCATCCCTCACGAGAGTCTTGGGATTTGGGTGGATCCCATTGATCAACCTATCAGTATATTAAG
GTTCTGCCAATGTAAATCCAACCAAGGAATTTCCCGAGCGGACTTCAGTGTGTAACCATTTTAATTGG
CGTGTATGACCTACAGACAGGCCTGCCCTAATGGGAGTCATCAATCAGCCTTTTGGCTCCCAAAACCTA
ACTACTTTAAGGTGGAAGGGACAGTGCTACTGGGGCTTTCGTACATGGGGACCAACATCCATCCCTGC
AGCTCGCCATCTCTAAAAGCGACAGTGAACCCAGACTGAAAACCTCGGACAGAGAGTTCTCCAGCCCTT
TTCTGCAGTCATCAGTACCAGCGAAAAAGACACCATCAAAGCTGCTCTTCGCGCGTGTGCGGAGGTAGC
GTCTTCCC CGGCAGGGGCTGGCTACAAGAGCCTCTGTGTAATCCAGGGCTTGGCTGACATTTACATCT
TCTCAGAGGACACCAGTACAAGTGGGACTCCTGTGCGCCACGCCATTCTGAGGGCCATGGGTGGGGG
CATTGTAGACATGAAAGAGTGCTTAGAGAGAAGTCCAGACACGGGGTTGGATTTGCCACAGCTGCTGTAT
CATGTGAAAAATAAAGGTGCTTCTGGGGTGAACCTCTGGGCCAACAGGGAGGGCTGATAGCTTACAGGT
CCAGGAATCGGCTGGACACCTTCTGAGCCGCTCATCCAAAACCTCGGGCTGTAAAGACACAAGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206214 protein sequence
 Red=Cloning site Green=Tags(s)

MSDILLELLCVSEKAANIARACRQQETLFQLLIEEKKGAEKNKKFAADFCTLADVLVQEVIKQNMENKFP
 GLGKKVFGESNEFTNDLGEKITVELQSTEEETAELLSKVLNGNMPASEALAQVVHEDVDLTDPTLES
 LDISIPHESLGIWVDPIDSTYQYIKGSANVKSNOGIFPSGLQCVTILIGVYDLQTGLPLMGVINQPFASQNL
 TTLRWKGCYWGLSYMGTNIHSLQLAISKSDSETQTENS DREFSSPFSAVISTSEKDTIKAALSRVCGGS
 VFPAAGAGYKSLCVIQGLADIYIFSEDTTYKWDSCAAHAILRAMGGGIVDMKECLERSPDTGLDLPLQLLY
 HVENK GASVELWANKGGLIAYRSRNRDLTFLSRLIQNLGPVKTA

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_008384

ORF Size: 1191 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_008384.2](#)

RefSeq Size: 1786 bp

RefSeq ORF: 1191 bp

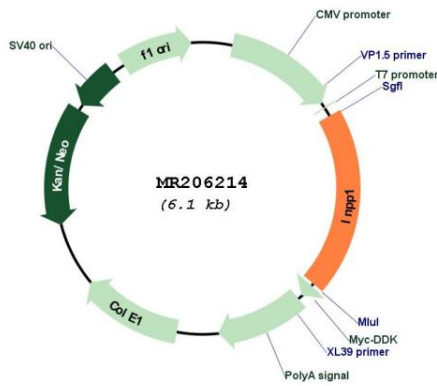
Locus ID: 16329

UniProt ID: [P49442](#)

Cytogenetics: 1 26.99 cM

MW: 43.3 kDa

Product images:



Circular map for MR206214