

IMPA2 cDNA

Catalog Number: ATGD0198

PRODUCT INFORMATION

Catalog number

ATGD0198

Product type

cDNA

Species

Human

NCBI Accession No.

NP_055029.1

Alternative Names**mRNA Refseq**

NM_014214.2

OMIM

605922

Chromosome location

18p11.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

867bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

IMPA2 locus encodes an inositol monophosphatase. The encoded protein catalyzes the dephosphoylation of

IMPA2 cDNA

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inositol monophosphate and plays an important role in phosphatidylinositol signaling. This locus may be associated with susceptibility to bipolar disorder.

DATA

Sequence nucleotides

ATGAAGCCGAGCGGCGAGGACCAGGCGGCGCTGGCGGCCGCCCCCTGGGAGGAGTGCTTCCAGGCGGCCGTGCAGCTG
GCGCTGCGGGCAGGACAGATCATCAGAAAAGCCCTTACTGAGGAAAAACGTGTCTCAACAAAAACATCAGCTGCAGATCTT
GTGACAGAAACAGATCACCTTGTGGAAGATTTAATTATTTCTGAGTTGCGAGAGAGGTTTCCTTACACAGGTTTATTGCAG
AAGAGGCCGCGGCTTCTGGGGCCAAGTGTGTGCTCACCCACAGCCCGACGTGGATCATCGACCCCATCGACGGCACCTGC
AATTTTGTGCACAGATTCCCGACTGTGGCGTTAGCATTGGATTTGCTGTTTCGACAAGAGCTTGAATTCGGAGTGATTTACC
ACTGCACAGAGGAGCGGCTGTACACGGGCCGGCGGGGTCGGGGCGCCTTCTGCAATGGCCAGCGGCTCCGGGTCTCCGG
GGAGACAGATCTCTCAAAGGCCTTGGTTCTGACAGAAATTGGCCCCAAACGTGACCCTGCGACCCTGAAGCTGTTCTGAG
TAACATGGAGCGGCTGCTGCATGCCAAGGCGCATGGGGTCCGAGTGATTGGAAGCTCCACATTGGCACTCTGCCACCTGG
CCTCAGGGGCCGCGGATGCCTATTACCAGTTTGGCCTGCACTGCTGGGATCTGGCGGCTGCCACAGTCATCATCAGAGAAG
CAGGCGGCATCGTGATAGACACTTCGGGTGGACCCCTCGACCTCATGGCTTGAGAGTGGTTGCGGCCAGCACCCGGGAG
ATGGCGATGCTCATAGCTCAGGCCTTACAGACGATTAAGTATGGGCGGGATGATGAGAAAGTGA

Transaction Sequence

MKPSGEDQAA LAAGPWEECF QAAVQLALRA GQIIRKALTE EKRVS TKTSA ADLVTETDHLVEDLIISLR ERFPSHRFIA
EEAAASGAKC VLTHSPTWII DPIDGTCNFV HRFPTVAVSIGFAVRQEF GVIYHCTEER LYTGRRRGRGA FCNGQRLRVS
GETDLSKALV LTEIGPKRDPATLKLFLSNM ERLHAKAHG VRVIGSSTLA LCHLASGAAD AYYQFGLHCW
DLAAATVIIREAGGIVIDTS GGPLDLMACR VVAASTREMA MLIAQALQTI NYGRDDEK