

Product datasheet for **RG234076**

ISYNA1 (NM_001253389) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ISYNA1 (NM_001253389) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ISYNA1
Synonyms: INO1; INOS; IPS; IPS-1; IPS 1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG234076 representing NM_001253389
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGGCGCCCAACGACCTCGTGTTTCGATGGCTGGGACATCTCGTCGCTGAACCTGGCCGAGGCGATGC
 GGCGCGGAAGGTGCTGGACTGGGGCTGCAGGAGCAACTGTGGCCGCACATGGAGGCCCTGCGGCCCG
 GCCTTCTGTTTACATCCCCGAATTCATCGCGGCCAACCAGAGCGCGCGCGGACAACCTCATCCCAGGC
 TCGCGTGCGCAGCAGCTGGAGCAGATCCGAGGGACATCCGAGACTTCCGGTCTAGCGCGGGCTGGACA
 AAGTCATAGTGTGTGGACGGCAACACGAGCGCTTCTGTGAGGTGATTCCAGGCCTCAACGACACAGC
 CGAGAACCTGCTGCGCACCATGAGCTCGGTCTGGAGGTGTGCCCTCCACGCTCTTCGCCGTGGCCAGC
 ATCCTGGAGGGCTGTGCCTTCTCAATGGGTCTCCGAGAACACCTGGTGCCCGGAGCTTTGAGCTCG
 CGTGGCAGCACCGGGTTTTTGTGGCGGAGATGACTTCAAGTCAGGCCAGACCAAGTCAAGTCCGTGCT
 TGTGGACTTCTCATTGGCTCCGGCCTCAAGACCATGTCCATCGTGAGTTACAACCACCTGGGCAACAAC
 GATGGGGAGAACCTATCGGCGCCATTGCAGTCCGCTCTAAGGAGGTGTCCAAGAGCAACGTGGTGGACG
 ACATGGTGCAGAGCAACCCAGTGCTCTATACGCCCGCGAAGAGCCTGACCACTGCGTGGTCAAGTA
 TGTGCCGTACGTGGGTGACAGCAAGCGCGCTGGATGAGTATACCTCGGAGCTGATGCTGGCGGAACC
 AACACACTGGTGTGCACAACACGTGTGAGGACTCGCTGCTGGCCGACCCATCATGCTGGACCTAGCC
 TGCTGACCGAGCTGTGCCAGCGGTGAGCTTCTGCACTGACATGGACCCGAGCCGAGACCTTCCACCC
 CGTGCTGTCCCTGCTCAGCTTCTCTTCAAGGCGCCACTAGTGCCGCCCGGAGCCCGGTGGTCAATGCG
 CTTTTCCGCCAGCGCAGCTGCATCGAGAACATCCTCAGGGCTGCGTGGGGCTCCCGCCACAGAACCACA
 TGCTCCTGGAACACAAAATGGAGCGCCAGGGCCAGCCTCAAGCGAGTTGGACCCGTGGCTGCCACCTA
 CCCTATGTTGAACAAGAAAGGACCGGTACCCGCTGCCACCAATGGCTGCACCGGTGATGCCAATGGGCAT
 CTGCAAGAGGAGCCCCAATGCCACCACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_001253389.1](#), [NP_001240318.1](#)

RefSeq Size: 2131 bp

RefSeq ORF: 1293 bp

Locus ID: 51477

UniProt ID: [Q9NPH2](#)

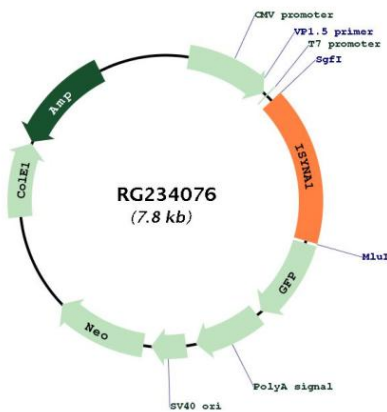
Cytogenetics: 19p13.11

Protein Families: Druggable Genome

Protein Pathways: Inositol phosphate metabolism, Metabolic pathways

Gene Summary: This gene encodes an inositol-3-phosphate synthase enzyme. The encoded protein plays a critical role in the myo-inositol biosynthesis pathway by catalyzing the rate-limiting conversion of glucose 6-phosphate to myoinositol 1-phosphate. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the short arm of chromosome 4. [provided by RefSeq, Nov 2011]

Product images:



Circular map for RG234076