

Product datasheet for **SC207145**

ISYNA1 (NM_016368) Human 3' UTR Clone

Product data:

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|------------------|---------------------------------------|
| Product Type: | 3' UTR Clones |
| Product Name: | ISYNA1 (NM_016368) Human 3' UTR Clone |
| Vector: | pMirTarget (PS100062) |
| Symbol: | ISYNA1 |
| Synonyms: | INO1; INOS; IPS; IPS-1; IPS 1 |
| ACCN: | NM_016368 |
| Insert Size: | 555 bp |
| Insert Sequence: | >SC207145 3'UTR clone of NM_016368 |

The sequence shown below is from the reference sequence of NM_016368. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAAGAGGAGCCCCCAATGCCACCACCTGAGGCCCGGTCACACAGTTTCTCGGCTCTTCTCCCGCT
GCCCCACGACCCTACCTTGAAGGCCCCCAAATAAAGGCGCTGCCACTCAGCCCTCCTTCCACCTG
GGTTCTTGGGGCCTGTGACCTGACTCTGCCTCCCTCTACTTCCCGACTTTGAGCGCCAGCTTCAG
TCCCATCCCTCTGCCATGGTCATCACCCAACTCCCAGGGAGAGCCAGAACCCTGGAGCCTCGCTCT
GCCCCAGTTCTCAAAGGTGGGCTAGATGGGGCGGGGACGGAACAAGACCACAGGGTGGAGAGTGTG
GTGGCAGAAGGCCAAAGAGGGAATCTGAGACAAGCTACCAAAAACAAAACAGCTTCCATTTATTTAT
GGGCCCCACCCCTGACGTCCTGGGGAGAGGGGCCCCCAAGAGCCTTTCTCTCTGGGACAAAATACA
AATGGCAGGAAGGTCCATACAGAAAAGAACGTCTCTGAGGTCTTGCCTTTTAATAAAATGGTAAGA
GTC
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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| Restriction Sites: | SgfI-MluI |
| OTI Disclaimer: | Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs). |
| Components: | The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials. |



[View online »](#)

RefSeq: [NM_016368.5](#)

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]

Locus ID: 51477

MW: 20.2