

Product datasheet for **RC233705**

ISY1 (NM_001199469) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ISY1 (NM_001199469) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ISY1
Synonyms: FSAP33
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233705 representing NM_001199469
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCCGAAATGCAGAAAAGGCCATGACGGCCTTAGCAAGATTCGCCAGGCTCAGCTGGAAGAGGGAA
AAGTGAAGGAACGAAGACCCTTTCTGGCCTCAGAATGTAAGTGAAGTAAAGCTGAGAAGTGGAGACG
ACAGATCATTGGAGAGATCTCTAAAAAAGTGGCTCAGATTCAGAATGCTGGTTTAGGTGAATTTCAATT
CGTGACCTGAATGATGAAATTAACAAGCTGCTAAGGGAGAAAAGGACTGGGAGGTCGGATAAAGGAGC
TGGGAGGTCCTGATTATGAAAAGTTGGCCCTAAAATGCTGGATCATGAAGGAAAAGAAGTCCCAGGAAA
CCGAGGTTACAAGTACTTTGGAGCAGCAAAAGATTTGCCTGGTGTAGAGAGCTGTTGAAAAGAACGC
CAGGTGCGGTGGCTCATGCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCGGGCGGATCACAAAGCTCTT
CTCCTCCCAGAAAAGACACGTGCTGAGCTCATGAAGGCAATCGATTTTGTAGTACTATGGTTACCTAGATGA
AGATGATGGTGTATTGTGCCTTTGGAACAGGAATATGAAAAGAACTCAGAGCCGAGTTAGTGGAAAAG
TGGAAAGCAGAGAGAGAGGCTCGGCTGGCAAGAGGAGAAAAGGAAGAGGAGGAGGAAGAGGAGGAAGAGA
TCAACATCTATGCAGTCACCGAGGAGGAGTCGGACGAGGAAGGCAGCCAGGAGAAAAGGAGGGGACGACAG
CCAGCAGAAGTTCATTGCTCACGTCCCTGTTCCCTCGCAGCAAGAGATTGAGGAGGCACTGGTCCGAAGG
AAGAAAATGGAATCCTCCAGAAGTATGCAAGCGAGACCCTGCAGGCCAAAGTGAAGAAGCCAGAAGGC
TCCTGGGTAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC233705 representing NM_001199469
Red=Cloning site Green=Tags(s)

MARNAEKAMTALARFRQAQLEEGKVKERRPFLASECTELPKAEKWRRIIGEISKVVAQIQNAGLGEFRI
 RDLNDEINKLLREKGHWVRIKELGGPDYGVKVPKMLDHEGKEVPGNRGKYFGAAKDLPGVRELFEKER
 QVRWLMVPVIPALWEAEAGGSQALPPPRKTRAEMLKAIDFEYYGYLDEDDGVIVPLEQEYKLLRAELVEK
 WKAEREARLARGEKEEEEEEEINIYAVTEEESDEEGSQEKGGDSQQKFIAHVPVPSQQEIEEALVRR
 KKMELLQKYASETLQAQSEEARLLGY

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_001199469

ORF Size: 921 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_001199469.2](#)

RefSeq Size: 3844 bp

RefSeq ORF: 924 bp

Locus ID: 57461

UniProt ID: [Q9ULR0](#)

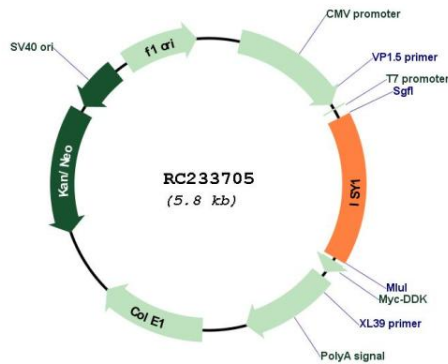
Cytogenetics: 3q21.3

Protein Pathways: Spliceosome

MW: 35.9 kDa

Gene Summary: Involved in pre-mRNA splicing as component of the spliceosome.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC233705