

## Product datasheet for **RG205785**

### ISY1 (NM\_020701) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ISY1 (NM_020701) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ISY1
Synonyms:	FSAP33
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205785 representing NM_020701 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCCCGAAATGCAGAAAAGGCCATGACGGCCTTAGCAAGATTTGCCAGGCTCAGCTGGAAGAGGGAA  
AAGTGAAGGAACGAAGACCCTTTCTGGCCTCAGAATGTAAGTGAAGTGCCTAAAGCTGAGAAGTGGAGACG  
ACAGATCATTGGAGAGATCTCTAAAAAAGTGGCTCAGATTCAGAATGCTGGTTTAGGTGAATTTCGAATT  
CGTGACCTGAATGATGAAATTAACAAGCTGCTAAGGGAGAAAAGGACACTGGGAGGTCCGGATAAAGGAGC  
TGGGAGGTCCTGATTATGAAAAAGTTGGCCCTAAAATGCTGGATCATGAAGGAAAAGAAGTCCCAGGAAA  
CCGAGGTTACAAGTACTTTGGAGCAGCAAAGATTTGCCTGGTGTAGAGAGCTGTTTAAAAAAGAACCT  
CTTCTCTCCCAGAAAGACACGTGCTGAGCTCATGAAGCAATCGATTTTGAGTACTATGGTTACCTAG  
ATGAAGATGATGGTGTATTGTGCCTTTGGAACAGGAATATGAAAAGAACTCAGAGCCGAGTTAGTGGA  
AAAGTGGAAAGCAGAGAGAGAGGCTCGGCTGGCAGAGGAGAAAAGGAAGAGGAGGAGGAAGAGGAGGAA  
GAGATCAACATCTATGCAGTCACCGAGGAGGAGTCGGACGAGGAAGGCAGCCAGGAGAAAAGGAGGGGACG  
ACAGCCAGCAGAAGTTCATTGCTCACGTCCCTGTTCCCTCGCAGCAAGAGATTGAGGAGGCACTGGTGCG  
AAGGAAGAAAATGGAACCTCCAGAAGTATGCAAGCGAGACCTGCAGGCCAAAAGTGAAGAAGCCAGA  
AGGCTCCTGGGTAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG205785 representing NM\_020701  
 Red=Cloning site Green=Tags(s)

MARNAEKAMTALARFRQAQLEEGKVKERRPFLASECTELPKAEKWRRQIIGEISKKVAQIQNAGLGEFRI  
 RDLNDEINKLLREKGHWEVRIKELGGPDYGKVGPKMLDHEGKEVPGNRGKYFGAAKDLPGVRELFEKEP  
 LPPPRKTRAEMLKAIIDFEYYGYLDEDDGVIVPLEQEYEEKLRAELVEKWAEREARLARGEKEEEEEEEEE  
 EINIYAVTEEEESDEEGSQEKGGDDSQQKFAHVPVPSQQEIEEALVRRKMEMLLQKYASETLQAQSEEAR  
 RLLGY

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_020701

**ORF Size:** 855 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\\_020701.4](#)

**RefSeq Size:** 1776 bp

**RefSeq ORF:** 858 bp

**Locus ID:** 57461

**UniProt ID:** [Q9ULR0](#)

**Cytogenetics:** 3q21.3

**Protein Pathways:** Spliceosome

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

### Product images:



Circular map for RG205785