

Product datasheet for **RN207931**

Isy1 (NM_001014188) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Isy1 (NM_001014188) Rat Untagged Clone
Tag: Tag Free
Symbol: Isy1
Synonyms: Isy1-rab43; RGD1307688
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN207931 representing NM_001014188
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCCGAAATGCAGAAAAGCCATGACTGCCCTAGCGAGATCCGGCAAGCTCAGCTGGAAGAGGGAA
AGGTCAAGGAACGAGACCTTTCTTGCTCCGAGTGCACAGAACTGCCAAAAGCAGAGAAGTGGAGACG
GCAGATCATTGGAGAGATCTCAAAAAAGTTGCTCAGATTCAGAATGCTGGTTTAGGGGAATCCGAATC
CGAGACCTGAATGATGAAATTAACAAGCTGCTGAGGGAGAAAGGACACTGGGAGGTCCGGATCAAGGAGC
TGGGCGGCCCTGACTATGAAAAGTTGGCCCAAGATGCTGGATCACGAAGGTAAGAAGTCCCAGGAAA
CCGAGGTTACAAGTACTTTGGGCGAGCGAAAGATTTGCCTGGTGTGAGAGAGCTATTCGAGAAAAGAGCCC
CTTCTCTCCCAGAAAGACACGTGCTGAGCTCATGAAGGCAATCGATTTTGAAGTACTATGGTTACCTGG
ATGAAGATGATGGAGTGATTGTGCCCTTGGAGCAAGAGTACGAGAAGAGACTCAGGGCTGAGCTGGTGA
AAAATGGAAGCAGAGAGAGAGGCTCGGCTGGCAAGGGGAGAAAAGGAAGAGGAGGAGGAGGAAGAGGAG
ATCAACATCTATGCCGTACCGAGGAGGAGTCTGATGAGGAAGGCAGCCAGGAGAAGGCAGGGGAAGACG
GTCAGCAGAAGTTCATTGCTCATGTTCCGGTGCCGTACAGCAGGAGATTGAGGAGGCCTTGTACGGAG
GAAGAAAATGAACTGCTCCAGAAATACGCAAGCGAGACTCTGCAGGCACAGAGTGAAGAGGCCAAGCGG
CTCCTGGGGTACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001014188
Insert Size: 855 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_001014188.1</u> , <u>NP_001014210.1</u>
RefSeq Size:	1507 bp
RefSeq ORF:	855 bp
Locus ID:	362394
UniProt ID:	<u>Q6AYB3</u>
Cytogenetics:	4q34
Gene Summary:	Involved in pre-mRNA splicing as component of the spliceosome.[UniProtKB/Swiss-Prot Function]