

Product datasheet for **RR205230**

Cby1 (NM_145676) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cby1 (NM_145676) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cby1
Synonyms: Pgea1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR205230 representing NM_145676
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCTCTCTTTGGGAGCATATTCAGCCCGAAGAAGACTCCTCCTCGGAAGTCGGCCTCTCTCTAACC
TGCCTCTTTAGATCGATCAACGCGAGAAGCTGGAGCTGGGTCTTGACTATGGAACCTACCATGAACCT
GGCGGGGCAAAGCCTGAAGTTTAAAAATGGCCAGTGGGTGGCAGACTCAGTGATTAGTGGGGGTGTGGAC
CGGAGGGAAACTCAGCGCCTGCGCAAACGAAACCAGCAGTTGGAAGAAGAGAACAATCTCCTGCGGCTGA
AGGTGGACATCCTGCTGGACATGCTTTTCAGAAACCACTGCTGAGTCCCCTTAAAGGACAAGGAAGTGA
TGAAGTGAAGATTACCAACCGCAGGAGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205230 representing NM_145676
Red=Cloning site **Green**=Tags(s)

MPLFGSIFSPKKTPPRKSASLSNLHSLDRSTRELELGLDYGTPTMNLAQSLKFENGQWVADSVISGGVD
RRETQRLRKRNQLEENLRLKVDILLDMLSETTAESHKDKELDELKITNRRRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2999_f07.zip

Restriction Sites: SgfI-MluI

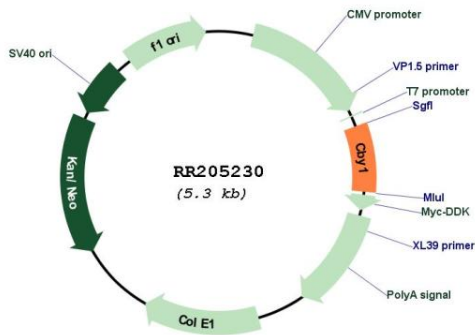


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RefSeq: [NM_145676.1, NP_663709.1](#)
RefSeq Size: 472 bp
RefSeq ORF: 384 bp
Locus ID: 246768
UniProt ID: [Q8K4I6](#)
Cytogenetics: 7q34
MW: 14.5 kDa

Gene Summary: Inhibits the Wnt/Wingless pathway by binding to CTNNB1/beta-catenin and inhibiting beta-catenin-mediated transcriptional activation through competition with TCF/LEF transcription factors. Has also been shown to play a role in regulating the intracellular trafficking of polycystin-2/PKD2 and possibly of other intracellular proteins. Promotes adipocyte and cardiomyocyte differentiation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR205230