

Product datasheet for RC228176

CBY3 (NM_001164444) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CBY3 (NM_001164444) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CBY3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC228176 representing NM_001164444 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGTGGGCTTCCAGAGACCATCTCCCTGAACCAGATCTTGGGGATGCAGCGCCCCCTGGCTCGCCTTCAT
CATTCTGGACATCCGGGCTCCCAGACAAGAGCGCAGCACGAGTCGCCAGCGCTCCCAGGCTCCCTTC
GAGCACCTGCGTGCCTACAAGGTCCACGCCCTGGCAACCTTCGAGTGTCTGGCTACGAGCCATGCCAGC
CGCCTGTGGCAGACGCTGCAGCAGTTTTGGCCGATCACATCTCGCGGCCCTTCTGCCACGGCGGCCGC
CACTGCGCCGATGCCCTCCCTGTCCACCTTCTACCTGCTGGACCACAACACGCGCCAGGCCGAGCTGGG
CCTCGCCTACGGCGCGCGTGCATGCGCCTCAGCAACCAGGCCTTCGTGTTCCGCGCGGGCGGTGGACC
ACTGAGAGCCAGCTGGCGAGGACGCGGTGCGCGCTGCTCTCGCGACCGCCTGGGGCTGGAAGGCGCAGG
TGCAGCGGTCCAAAAGCCAAGTGTGCTGGAGGAGAACAACCTGAAGCTGCAGCAGGAAGTGCAT
AGACATGCTGACTGAGACCATGGCGCGCATGCACTTGTGGAGAAGCAGCGCAACCCCGAGGTGATCCCG
ACGGCTGCGGGCGCGCCGGGCAGAGGAAGATGCGCAAGCGCGCAGGCCAGCGGGCGTGTCTATGA
TCCAGCCGTGCGCTCTGGACTCGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC228176 representing NM_001164444
 Red=Cloning site Green=Tags(s)

MWASRDHLPEPDLGDAAPPSPSSFWTSGLPRQERSTSRQSRGSPSSTCVPYKVHALATFECSATSHAS
 RLWQTLQQFWADHISRPFSPRRPPLRRMPSTLSTFYLLDHNTRQAEGLAYGAPCMRLSNQAFVFRGGRWT
 TESQLARTRSPLLSRTAWGWKAQVQRSKSQVLLLEENNYLKLQELLIDMLTETMARMHLLKQRNPEVIP
 TAAARAGQRKMRKRAGASAGVLMIQPCALDSQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8038_h02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001164444

ORF Size: 726 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_001164444.2](#)

RefSeq ORF: 729 bp

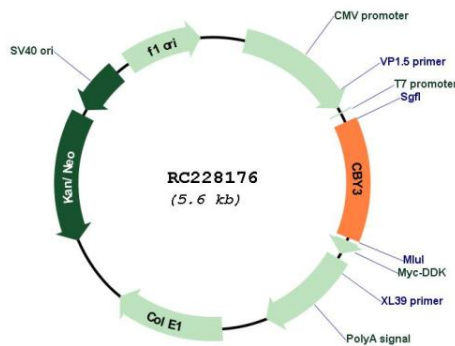
Locus ID: 646019

UniProt ID: [A6NI87](#)

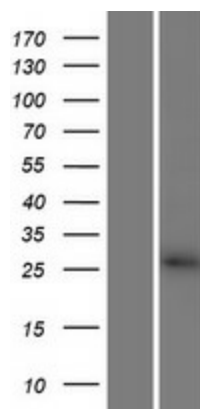
Cytogenetics: 5q35.3

MW: 27.2 kDa

Product images:



Circular map for RC228176



Western blot validation of overexpression lysate (Cat# [LY431204]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC228176 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).