

Product datasheet for **RG206879**

YBEY (NM_001006114) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: YBEY
Synonyms: C21orf57
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG206879 representing NM_001006114
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTTTGGTGATTAGAAATCTGCAGCGAGTCATCCCCATCAGGAGAGCGCCACTTCGCAGTAAGATCG
AGATTGTAAGGAGGATTTAGGAGTGCAGAAATTTGACCTGGGGATCATCTGTGTTGACAACAAGAATAT
TCAGCACATTAATAGAATCTACAGAGATAGAAATGTCCCAACCGATGTGCTTTCTTTCCATTTCATGAG
CATCTGAAAGCAGGTGAATTTCCCGAGCTGATTTCCAGATGACTACAATTTGGGAGACATTTTCCTAG
GAGTGGAGTATATCTTCCATCAGTGTAAGAAAAATGAAGATTACAATGACGTCCTGACTGTAAGCGGGGA
TGCTGAAATCATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206879 representing NM_001006114
Red=Cloning site Green=Tags(s)

MSLVIRNLQRVIPIRRAPLRSKIEIVRRILGVQKFDLGIICVDNKNIQHINRIYDRNVPTDVLVSFPFHE
HLKAGEFPQPDFDDYNLGDIFLGVEYIFHQCKENEDYNDVLTVSGDAEII

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001006114

ORF Size: 363 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:

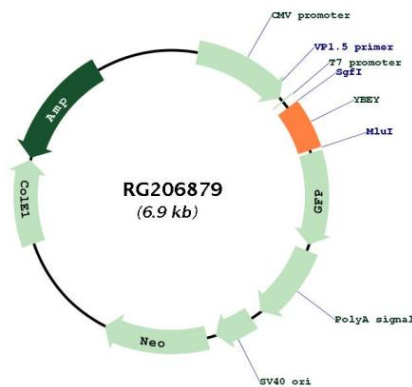
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:	NM_001006114.2, NP_001006114.1
RefSeq Size:	1202 bp
RefSeq ORF:	366 bp
Locus ID:	54059
Cytogenetics:	21q22.3

Gene Summary: This gene encodes a highly conserved metalloprotein. A similar protein in bacteria acts as an endoribonuclease, and is thought to function in ribosomal RNA maturation and ribosome assembly. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]

Product images:



Circular map for RG206879