

Product datasheet for RC205099

MANBAL (NM_022077) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: MANBAL (NM_022077) Human Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: MANBAL
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RC205099 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC

ATGGCCTCTGACCTAGACTTCTCACCTCCGGAGGTGCCCGAGCCCACTTTCCTGGAGAACCTGCTACGGTACGGACTTCTCTGGGAGCCATCTCCAGCTCATCTGTGTGCTGGCCATCATCGTACCCATTCCCAAGTCCACGAGGCGGAGGCTGAACCGTCTGAGCCAGAAGTCTGAGGTGACGAGGAAGCCCAAGGCTGCTGTTCTTCTGTGAACAAGAGGCCCAAGAAAGAGACTAAGAAGAAGCGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205099 protein sequence
 Red=Cloning site Green=Tags(s)
 MASDLDFSPPEVPEPTFLENLLRYGLFLGAIQFLICVLAIIVPIPKSHEAEAEPSEPRSAEVTRKPKAAV
 PSVNRPKKTKKKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6421_b02.zip

Restriction Sites: Sgfl-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_022077

ORF Size: 255 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).

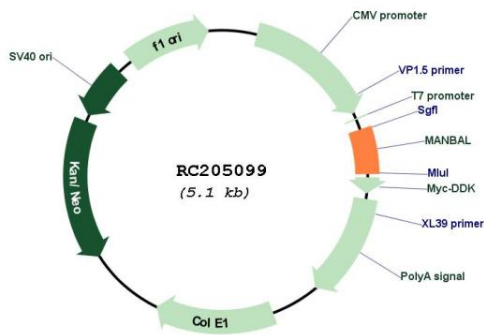
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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.

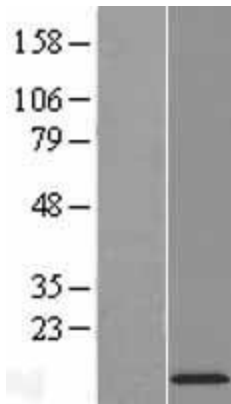
RefSeq: [NM_022077.4](#)

RefSeq Size: 1385 bp
 RefSeq ORF: 258 bp
 Locus ID: 63905
 UniProt ID: [Q9NQG1](#)
 Cytogenetics: 20q11.23
 Protein Families: Transmembrane
 MW: 9.5 kDa

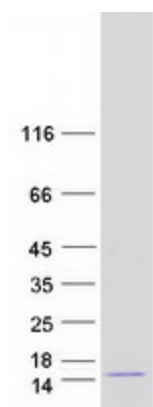
Product images:



Circular map for RC205099



Western blot validation of overexpression lysate (Cat# [LY411800]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205099 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified MANBAL protein (Cat# [TP305099]). The protein was produced from HEK293T cells transfected with MANBAL cDNA clone (Cat# RC205099) using MegaTran 2.0 (Cat# [TT210002]).