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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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCTCTGACCTAGACTTCTCACCTCCGGAGGTGCCCGAGCCCACTTTCCTGGAGAACCTGCTACGGT
ACGGACTCTTCCTGGGAGCCATCTTCCAGCTCATCTGTGTGCTGGCCATCATCGTACCCATTCCCAAGTC
CCACGAGGCGGAGGCTGAACCGTCTGAGCCCAGAAGTGCTGAGGTGACGAGGAAGCCCAAGGCTGCTGTT
CCTTCTGTGAACAAGAGGCCCAAGAAAGAGACTAAGAAGAAGCGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

Protein Sequence:

```
>RC205099 protein sequence
Red=Cloning site Green=Tags(s)

MASDLDFSPPEVPEPTFLENLLRYGLFLGAIFQLICVLAIIVPIPKSHEAEAEPSEPRSAEVTRKPKAAV
PSVNKRPKKETKKKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Chromatograms:	https://cdn.origene.com/chromatograms/mk6421_b02.zip
Restriction Sites:	SgfI-MluI

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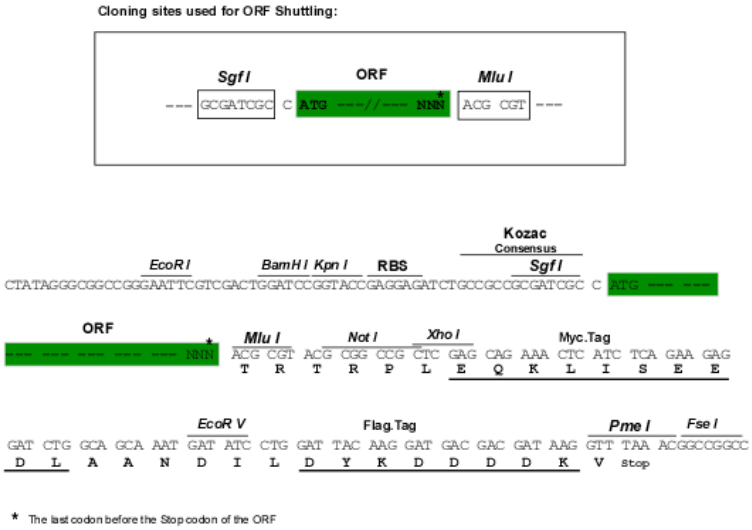
Cloning Scheme:



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.
RefSeq:	NM_022077.4
RefSeq Size:	1385 bp
RefSeq ORF:	258 bp

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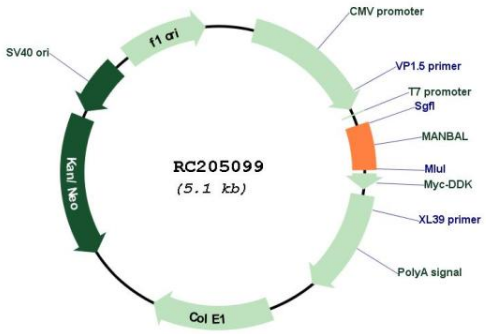
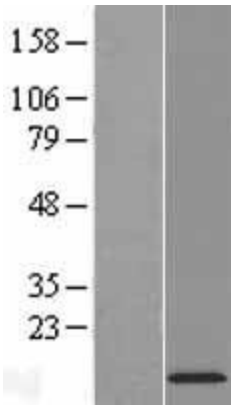
Locus ID:	63905
UniProt ID:	Q9NQG1
Cytogenetics:	20q11.23
Protein Families:	Transmembrane
MW:	9.5 kDa

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 un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205099 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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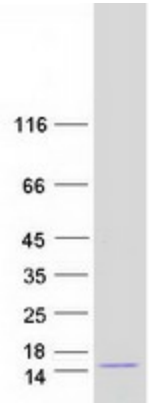

Coomassie blue staining of purified MANBAL protein (Cat# [TP305099]). The protein was produced from HEK293T cells transfected with MANBAL cDNA clone (Cat# RC205099) using MegaTran 2.0 (Cat# [TT210002]).

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