

## Product datasheet for **RC215846**

### MAGIX (NM\_001099682) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MAGIX (NM_001099682) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAGIX
Synonyms:	JM10; PDZX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215846 representing NM_001099682 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGAGCCGCGCACAGGGGGCGCCGCAACCTAAGGGGAGCAGAGGAAGCCGCGGCCCTCCCCGCTCG  
CGGGCCCTAGCGCCCGGAGCTCCTGGCGCGTTGGACGCGCGCCCCCTGGCGGCGCGAGCTGCGGTGCA  
CGTGGCAGCGCTGGTACGCAGGGCGGGCGCCACATTGCGCCTGCGCCGGAAGGAGGCTGTTAGCGTGCTG  
GACTCTGCGGACATAGAGGTACAGACAGTCGCCTGCCTCATGCCACTATTGTGGATCACCGGCCCCAGG  
TCGGGGACCTCGTGCTCCACATCAACGGAGAGTCAACGCAGGGCCTCACCCATGCCAGGCCGTGGAGCG  
GATCCGAGCTGGAGGCCCCAGCTCCACCTGGTTATTCGTGCGCCTCTGGAGACCCACCTGGCAAGCCT  
CGAGGGGTGGGAGAGCCCGAAAAGGAGTTGATCGCAGCCAGATCCTGGAGGGCCGGAGGTAACGGGGT  
CTCGCAGCAGCAGCACTTCCCTAGTTTCAGCACCTCCATCCCGGACGACGCTCAAGAAGACCCGGGGCAG  
CCCGGAGCCTAGTCCAGAGGCGGCCGCGATGGCCCCACGGTTTCTCCTCCTGAGCGCCGCGCTGAGGAT  
CCCAACGACCAGATCCCGGGTTCCCGGGGCCCTGGCTAGTGCCAGCGAGGAACGGCTCTCGCGGGGCC  
TAGGGGTCCGGGGGCGAGCGAGCTCGCTCAGGAGATGGCAGCCGGAAGGCGGAGACAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA


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**Protein Sequence:** >RC215846 representing NM\_001099682  
 Red=Cloning site Green=Tags(s)

MEPRTGGAANPKGSRGSRGPSPLAGPSARQLLARLDARPLAARAAVDVAALVRRAGATLRLRRKEAVSVL  
 DSADIEVTD SRLPHATIVDHRPQVGDVLHNGESTQGLTHAQAVERIRAGGPQLHLVIRPLETHPGKP  
 RGVGEPRKGVDRSPDPGGPEVTGSRSSSTSLVQHPPSRTTLKKTRGSPEPSPEAAADGPTVSPERRAED  
 PNDQIPGSPGPWLVPSEERLSRALGVRGAAQLAQEMAAGRHH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1272\\_d02.zip](https://cdn.origene.com/chromatograms/ja1272_d02.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001099682

**ORF Size:** 759 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\_001099682.1, NP\_001093152.1

**RefSeq Size:** 1907 bp

**RefSeq ORF:** 762 bp

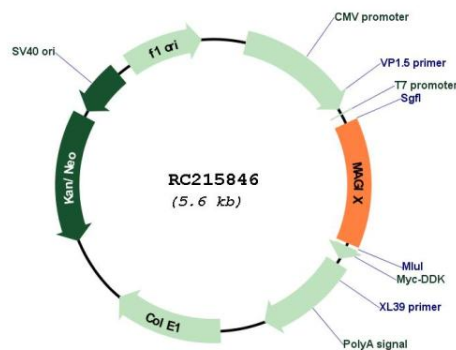
**Locus ID:** 79917

**UniProt ID:** Q9H6Y5

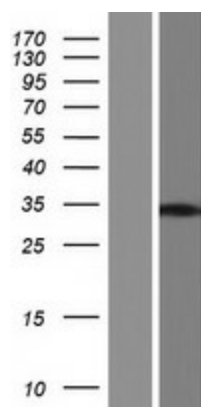
**Cytogenetics:** Xp11.23

**MW:** 26.5 kDa

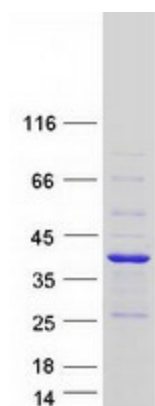
## Product images:



Circular map for RC215846



Western blot validation of overexpression lysate (Cat# [LY420494]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215846 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified MAGIX protein (Cat# [TP315846]). The protein was produced from HEK293T cells transfected with MAGIX cDNA clone (Cat# RC215846) using MegaTran 2.0 (Cat# [TT210002]).