

## Product datasheet for RC222072

### LBX2 (NM\_001009812) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** LBX2 (NM\_001009812) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** LBX2  
**Synonyms:** LP3727  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC222072 representing NM\_001009812  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGAAAAGGACTTCCTAGAAAGTGAGTCTTGGGGAGTTGGGGGAGAAAAGTGTGAGGAGGGCGTC  
 GGAGTTTCCACCGCTGGCTGCTTCCCGGCCCGCACGCCGGGAGGGTGGCGGTGGGCGCGCAGAGATCT  
 TTGCAAAACAGCGTCCAGGGCGGAAAACAACACAGGCCTGCCGCCCAAAGGCGGGCAGGTCCGGAC  
 GCGCTGGGCCCTGGTCCCTTCGGCCGAAACGGCGCAAGTCACGCACTGCGTTCACCGCGCAACAGGTGC  
 TGGAGCTGGAGCGCGCTTCGTCTTCCAGAAGTACCTGGCGCCGTCCGAGCGAGACGGGTAGCTACGCG  
 ACTCGGCCTGGCCAACGCGCAGGTGGTCACTTGGTTCAGAACCAGCGAGCAAGCTCAAGCGCGATGTG  
 GAGGAGATGCGCGCCGACGTGCGCTCGTACGCGCGTTGTCCCGGAAAGTCTGTGACAGCTTAGCACTGC  
 CCGAAGGCGCTCCAGATCCCGCCCTCGCTCGGCCCTGCGGCCCTGACTCCCGGCCACCTGTGACAG  
 CGAGGAGATACAGGTGGACGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC222072 representing NM\_001009812  
 Red=Cloning site Green=Tags(s)

MGKRTSLEVSLGELGGEKCRGRRSFPPLAASRPARGGWRWARDLCKTASRAENNSQACRPQRRAGPD  
 ALGPGPFGRKRRKSRTAFQAQVLELERRFVFQKYLAPSERDGLATRLGLANAQVTFWQNRRAKLRDVK  
 EEMRADVASLRALSPEVLCSLALPEGAPDPGLCLGPAGPDSRPHLSDEEIQVDD

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



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**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8039\\_g02.zip](https://cdn.origene.com/chromatograms/mk8039_g02.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001009812

**ORF Size:** 582 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\\_001009812.2](#)

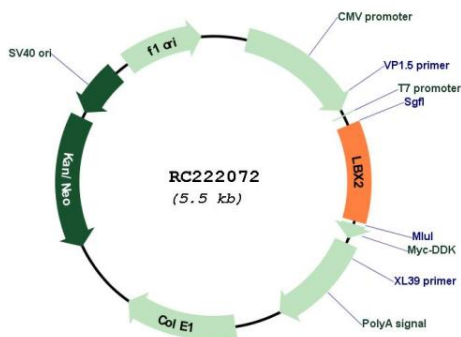
**RefSeq Size:** 1463 bp

**RefSeq ORF:** 585 bp

**Locus ID:** 85474

UniProt ID: [Q6XYB7](#)  
 Cytogenetics: 2p13.1  
 MW: 21.2 kDa  
 Gene Summary: Putative transcription factor.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC222072