

Product datasheet for MR223760

Lbx1 (NM_010691) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Lbx1 (NM_010691) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Lbx1
 Synonyms: Lbx1h
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR223760 representing NM_010691
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGACTTCCAAGGAGGACGGCAAGGCGGCCAGGGGAGGAGCGGCGACGCAGCCCTCTGGACCACCTGC
 CGCCGCCCGCAACTCCAACAAGCCGCTGACGCCGTTAGCATCGAGGACATCCTCAACAAGCCGTCCTG
 GCGGAGAAGTTACTCGCTGTGTGGGGCGGCGCACCTGCTGGCGGCCGGACAAGCACGCCGGGGCGGC
 TTGCCCTGGCGGGCCGCTCTGCTCTCGAGACCTCGCCTCTCTGCGCCTTGGAGGAGCTCGCCAGCA
 AGACCTTTAAGGGGCTGGAGGTCAGCGTCTGCAGGCAGCCGAAGGCCGATGGGATGACCATCTTTGG
 GCAGAGGCAGACGCCAAGAAACGGCGAAAATCACGCACGGCCTTACCACCACCATGCTACGAGTTG
 GAGAAAACGCTTTCTATACCAGAAGTACCTGTCCCGGCAGATCGCGACCAAAATTGCGCAGCAGCTGGCC
 TCACCAATGCACAGGTCATCACCTGGTTCCAGAACCAGCGCGCCAAGCTCAAGCGGGACCTAGAGGAGAT
 GAAGGCCGACGTGGAGTCTGCCAAGAACTGGGCCAGCGGGCAGATGGACATCGTGGCGCTGGCCGAA
 CTCGAGCAGAACTCGGAGGCTTCGGGCGGTGGCGGCGGGTGGCTGCGGCAGGGCTAAGTCTAGGCCGG
 GTTCTCTGCGCTGCCCCAGGCCGCCCGCAGGCCCGGGCGGAGGACCTTGCAGCTCTCGCCCGCCTC
 TCCACTCAGGACCAGCGGGCCAGCAGCCAGGACTGCTCAGAGGATGAGGAAGATGAAGAGATCGACGTG
 GACGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR223760 representing NM_010691
Red=Cloning site Green=Tags(s)

MTSKEDGKAAPGEERRRSPLDHLPPPANSNKPLTPFSIEDILNKPSVRRSYSLCAAHLLAAADKHAPGG
 LPLAGRALLSQTSPLEALEELASKTFKLEVSVLQAAEGRDGMTIFGQRQTPKRRRSRTAFTNHQIYEL
 EKRFLYQKYLSPADDRDQIAOQLGLTNAQVITWFQNRRAKLRDLEEMKADVESAKKLGPSGQMDIVALAE
 LEQNSEASGGGGGGCGRAKSRPGSPALPPGAPQAPGGGPLQLSPASPLTDQRASSQDCSEDEEEDIDV
 DD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9047_a07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010691

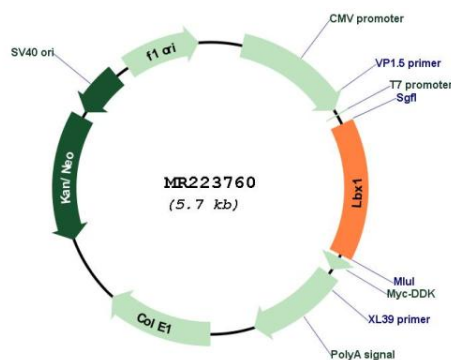
ORF Size: 846 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none">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_010691.6
RefSeq Size:	864 bp
RefSeq ORF:	849 bp
Locus ID:	16814
UniProt ID:	P52955
Cytogenetics:	19 C3
MW:	30.7 kDa
Gene Summary:	Transcription factor required for the development of GABAergic interneurons in the dorsal horn of the spinal cord and migration and further development of hypaxial muscle precursor cells for limb muscles, diaphragm and hypoglossal cord.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223760