

Product datasheet for MC208904

Lta (NM_010735) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lta (NM_010735) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lta
Synonyms:	h1b382; LT; LT-alpha; LT-[a]; LTalpha; Ltx; LT[a]; TNF-beta; Tnfb; TNFSF1; Tnfsf1b; Tnlg1e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208904 representing NM_010735 Red =Cloning site Blue =ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGACACTGCTCGGCCGTCTCCACCTCTTGAGGGTGCTTGGCACCCCTCCTGTCTTCCTCCTGGGGCTGC
 TGCTGGCCCTGCCTCTAGGGGCCAGGGACTCTCTGGTGCCGTTCTCCGCTGCCAGGACAGCCCATCC
 ACTCCCTCAGAAGCACTTGACCCATGGCATCCTGAAACCTGCTGCTCACCTTGTTGGGTACCCAGCAAG
 CAGAACTCACTGCTCTGGAGAGCAAGCACGGATCGTGCCTTTCTCCGACATGGCTTCTCTTGAGCAACA
 ACTCCCTCCTGATCCCCACCACTGGCCTCTACTTTGTCTACTCCAGGTGGTTTTCTCTGGAGAAAGCTG
 CTCCCCCAGGGCCATTCCCACTCCCATCTACCTGGCACACGAGGTCCAGCTCTTTTCTCCCAATACCCC
 TTCCATGTGCCTCTCCTCAGTGCAGCAAGTCTGTGTATCCGGGACTTCAAGGACCGTGGGTGCGCTCAA
 TGTACCAGGGGGCTGTGTTCTGCTCAGTAAGGGAGACCAGCTGTCCACCCACACCGACGGCATCTCCCA
 TCTACACTTCAGCCCCAGCAGTGTATTCTTTGGAGCCTTGTCACTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_010735
Insert Size:	609 bp


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OTI Disclaimer:	<p>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.</p> <p>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</p>
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC099464 , AAH99464
RefSeq Size:	1423 bp
RefSeq ORF:	609 bp
Locus ID:	16992
UniProt ID:	P09225
Cytogenetics:	17 18.59 cM
Gene Summary:	<p>Cytokine that in its homotrimeric form binds to TNFRSF1A/TNFR1, TNFRSF1B/TNFR and TNFRSF14/HVEM (By similarity). In its heterotrimeric form with LTB binds to TNFRSF3/LTBR. Lymphotoxin is produced by lymphocytes and is cytotoxic for a wide range of tumor cells in vitro and in vivo.[UniProtKB/Swiss-Prot Function]</p>