

Product datasheet for **SC118684**

LTBR (NM_002342) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LTBR (NM_002342) Human Untagged Clone
Tag:	Tag Free
Symbol:	LTBR
Synonyms:	D12S370; LT-BETA-R; TNF-R-III; TNFCR; TNFR-RP; TNFR2-RP; TNFR3; TNFRSF3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_002342 edited
GAATTCGGCACCAGGGAGCCCTGGAGGCCCGCCTGGCCGCTCCCGGCCCTGGGGTGCAC
ATCGGCCCTGAGTCCCCTCCCAGGCTCTGGGCTCGGGCAGCCGCCACCCTGCCAG
GACGTCGGGCTCCTGCCTTCTCCCAGGCCCCACGTTGCTGGCCGCTGGCCGAGTGG
CCGCCATGCTCCTGCCTTGGGCCACCTTGCCCCGGCCTGGCCTGGGGGCTCTGGTGC
TGGGCCTCTTCGGGCTCCTGGCAGCATCGAGCCCCAGGCGGTGCCTCCATATGCGTCGG
AGAACCAGACCTGCAGGGACCAGGAAAAGGAATACTATGAGCCCCAGCACCCGATCTGCT
GCTCCCGCTGCCCGCCAGGCACCTATGTCTCAGCTAAATGTAGCCGCATCCGGGACACAG
TTTGTGCCACATGTGCCGAGAATTCTACAACGAGCACTGGAACACTGACCATCTGCC
AGCTGTGCCGCCCTGTGACCCAGTGATGGGCCTCGAGGAGATTGCCCCCTGCACAAGCA
AACGGAAGACCCAGTGCCGCTGCCAGCCGGGAATGTTCTGTGCTGCCTGGGCCCTCGAGT
GTACACACTGCGAGCTACTTTCTGACTGCCCGCCTGGCACTGAAGCCGAGCTCAAAGATG
AAGTTGGGAAGGGTAACAACCACTGCGTCCCCTGCAAGGCAGGGCACTTCCAGAATACCT
CCTCCCCAGCGCCGCTGCCAGCCCCACACCAGGTGTGAGAACCAAGGTCTGGTGGAGG
CAGCTCCAGGCACTGCCAGTCCGACACAACCTGCAAAAATCCATTAGAGCCACTGCCCC
CAGAGATGTCAGGAACCATGCTGATGCTGGCCGTTCTGCTGCCACTGGCCTTCTTTCTGC
TCCTTGCCACCGTCTTCTCCTGCATCTGGAAGAGCCACCTTCTCTCTGCAGAAACTGG
GATCGCTGCTCAAGAGGCGTCCGCAGGGAGAGGGACCCAACTCCTGTAGCTGGAAGCTGGG
AGCCTCCGAAGGCCCATCCATACTTCCCTGACTTGGTACAGCCACTGCTACCCATTTCTG
GAGATGTTTTCCCAAGTATCCACTGGGCTCCCCGACGCCCAAGTTTTGGAGGCAGGGGTGC
CGCAACAGCAGAGTCTCTGGACCTGACCAGGGAGCCGCAATTGGAACCCGGGGAGCAGA
GCCAGGTGGCCACGGTACCAATGGCATTATGTCACCGCGGGTCTATGACTATCACTG
GCAACATCTACATCTACAATGGACCAGTACTGGGGGACCACCGGTCCTGGAGACCTCC
CAGCTACCCCGAACCTCCATACCCATTCCCGAAGAGGGGACCCTGGCCCTCCCGGGC
TCTCTACACCCACCAGGAAGATGGCAAGGCTTGGCACCTAGCGGAGACAGGCACTGTG
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TGAGAAAAGGCAGAAGAAGGGGGCACAAGGGCACCTTCTCCCTTGGAGCTGCCCTGCC
ACGTGGGATTCACAGGGGCTGAGTAGGGCCCGGGGAAGCAGAGCCCTAAGGGATTAAGG
CTCAGACACCTCTGAGAGCAGGTGGGCACTGGCTGGGTACGGTGCCTCCACAGGACTCT
CCCTACTGCTGAGCAAACCTGAGGCTCCCGGCAGACCACCCACCCCTGGGGCTGCT
CAGCCTCAGGCACGGACAGGGCACATGATACCAACTGCTGCCACTACGGCACGCCGCAC
CGGAGCACGGCACCGAGGGAGCCGCCACACGGTCACTGCAAGGACGTACGGGCCCTC
TAAAGGATTCGTGGTGTCTATCCCAAGCTTCCAGAGACCTTTGGGGTCCACACTTCAC
GTGGACTGAGGTAGACCTGCATGAAGATGAAATTATAGGGAGGACGCTCCTTCCCTCCC
CTCCTAGAGGAGAGGAAAGGGAGTCATTAACAAGTGGGGGTTGGGTAGGATTCTTAGGT
ATGGGGAAGAGTTTTGGAAGGGGAGGAAAATGGCAAGTGTATTTATATTGTAACCATG
CAATAAAAAGAATGGGACCTAGAAAAAAAAAAAAAAAAAACTCGAC
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002342 unedited
 NGGTCGCCATTTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACCAGGAGCCCTGG
 AGGCCCGGCTGGCCGCTCCCGGCCCTGGGGTGCACATCGGCCCTGAGTCCCGTCCCAGG
 CTCTGGGCTCGGGCAGCCGCCGCCACCCTGCCAGGACGTCGGGCTCCTGCCTTCCTC
 CCAGGCCCCACGTTGCTGGCCGCTGGCCGAGTGGCCGCATGCTCCTGCCTTGGGCCA
 CCTCTGCCCCCGCCTGGCCTGGGGCCTCTGGTGTGGGCCTCTCGGGCTCCTGGCAG
 CATCGCAGCCCCAGGCGGTGCCTCATATGCGTCGGAGAACCAGACCTGCAGGGACCAGG
 AAAAGGAATACTATGAGCCCGAGCACCGCATCTGCTGCTCCCGCTGCCCGCCAGGCACCT
 ATGCTCAGCTAAATGTAGCCGCATCCGGGACACAGTTTGTGCCACATGTGCCGAGAATT
 CCTACAACGAGCACTGGAACCTGACCATCTGCCAGCTGTGCCGCCCTGTGACCCAG
 TGATGGGCTCGAGGAGATTGCCCCCTGCACAAGCAAACGGAAGACCCAGTGCCGCTGCC
 AGCCGGGAATGTTCTGTGCTGCCTGGGCCCTCGAGTGTACACACTGCGAGCTACTTTCTG
 ACTGCCCGCTGGCACTGAAGCCGAGCTCAAAGATGAAGTTGGGAAGGGTAACAACCACT
 GCGTCCCCTGCAGGCAGGCACTTNCAGAATACCTNCTNCCCCAGCGCCCGCTGCCAGCC
 CCACACCAGGTGTGAGAACCAAGGTCTGGTGGGAGCAGCTNNCAGCACTGGCCAGTCCGA
 CACACCTGCAAAAATCCATTANAGCACTGCCCCAGAGAGTCAGGACCATGCTGATGCTGG
 NCCGTCTGCTGCACTGGCCCTTCTGCTCTTTGCACGTCTCTC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002342 unedited
 CGAGATCTTTTTNNTTTTTTTTTNTCTAGGGTCCCATTCTTTTTATTTGCATGTGGTT
 ACAATATAAATACACTTGCCATTTTCTCCCCTTCCAAAACCTTCCCCATACCTAGGAA
 TCCTACCCAACCCCTAGTTGTTAATGACTCCCTTCTCCTCTAGGAGGGGAGGGAA
 GGAGCGTCTCCCTATAATTTTCATCTTTCATGCAGGGTCTACCTCAGTCCACGTGAAGTGT
 GGAACCCCAAAGGTCTCTGAAGCTTGGGGATGAGCACCACGAATCCTTTAGAGGGGCCCG
 TGACGTCCTTGCAGGTGACCGTGTGGCGGCTCCCTCGGTGCCGTGCTCCGGTGGCGCGTG
 CCGTATTGGGCAGCAGTTGGTATCATGTGCCCTGTCCGTGCCGTGAGGCTGAGCAGCCCCA
 GGGGGTGGGTGGGTCTGCCGGGAGGCCCTCAGGTTTGTCTCAGGCAGTAGGGAGAGTCTGT
 GGAGGGCACCGTACCCAGCCAGTGCCACCTGCTCTCAGAGGTGTCTGAGCCTTAATCCC
 TTAGGGCTCTGCTTCCCGGGCCCTACTCAGGCCCTGTGAATCCACAGTGGGCAGGGCA
 GCCTCAAGGGAGAAGGTGCCCTTGTGCCCCCTTCTTCTGCTTTTCTCAGACTCCGTC
 GTCATGGGTGATAAATTGTTTCTTGGGCCCTGTTAGAGGGTGTGGCACCACAGTGCTC
 TGCTCCGCTAGGTGCCAAGCCTTGCCATCTTCTGTTGGGGGTANAAGACCCCGNAG
 GCCAGGTCCCTCTCGGAATGGGGTATGGGAGTTCGGGGTACTTGGGGAGGTCTCA
 GGACC

Restriction Sites:

NotI-NotI

ACCN:

NM_002342

Insert Size:

2250 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_002342.1](#), [NP_002333.1](#)

RefSeq Size: 2136 bp

RefSeq ORF: 1308 bp

Locus ID: 4055

UniProt ID: [P36941](#)

Cytogenetics: 12p13.31

Domains: TNFR

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

Gene Summary: This gene encodes a member of the tumor necrosis factor receptor superfamily. The major ligands of this receptor include lymphotoxin alpha/beta and tumor necrosis factor ligand superfamily member 14. The encoded protein plays a role in signalling during the development of lymphoid and other organs, lipid metabolism, immune response, and programmed cell death. Activity of this receptor has also been linked to carcinogenesis. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Aug 2012]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).