

Product datasheet for **RC234033**

LTBR (NM_001270987) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LTBR (NM_001270987) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: LTBR
Synonyms: D12S370; LT-BETA-R; TNF-R-III; TNFCR; TNFR-RP; TNFR2-RP; TNFR3; TNFRSF3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC234033 representing NM_001270987
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAGCGACAGGAATCTCATTAGCATCTCAATTAAGGTGCCTCCATATGCGTCGGAGAACCAGACCT
 GCAGGGACCAGGAAAAGGAATACTATGAGCCCCAGCACCCGCATCTGCTGCTCCCGCTGCCGCCAGGCAC
 CTATGTCTCAGCTAAATGTAGCCGCATCCGGGACACAGTTTGTGCCACATGTGCCGAGAATTCCTACAAC
 GAGCACTGGAACCTACCTGACCATCTGCCAGCTGTGCCGCCCTGTGACCCAGTGTGGCCCTCGAGGAGA
 TTGCCCCCTGCACAAGCAAACGGAAGACCCAGTCCGCTGCCAGCCGGGAATGTTCTGTGCTGCCTGGC
 CCTCGAGTGTACACACTGCGAGCTACTTTCTGACTGCCCGCTGGCACTGAAGCCGAGCTCAAAGATGAA
 GTTGGGAAGGTAACAACCACTGCGTCCCTGCAAGGCCGGGCACTTCCAGAATACCTCCTCCCCACGG
 CCCGCTGCCAGCCCCACACCAGGTGTGAGAACCAAGGTCTGGTGGAGGCAGCTCCAGGCAGTCCCGAGTC
 CGACACAACCTGCAAAAATCCATTAGAGCCACTGCCCCAGAGATGTCAGGAACCATGCTGATGCTGGCC
 GTTCTGCTGCCACTGGCCTTCTTTCTGCTCCTTCCACCGTCTTCTCCTGCATCTGGAAGAGCCACCCTT
 CTCTCTGCAGGAACTGGGATCGCTGCTCAAGAGCGTCCGACGGGAGAGGGACCAATCCTGTAGCTGG
 AAGCTGGGAGCCTCCGAAGGCCATCCATACTTCCCTGACTTGGTACAGCCACTGCTACCCATTTCTGGA
 GATGTTTTCCAGTATCCACTGGGCTCCCGCAGCCCCAGTTTTGGAGGCAGGGTGCCCGCAACAGCAGA
 GTCTCTGGACCTGACCAGGGAGCCGAGTTGGAACCCGGGAGCAGAGCCAGGTGGCCACGGTACCAA
 TGGCATTATGTCACCGCGGGTCTATGACTATCACTGGCAACATCTACATCTACAATGGACCAGTACTG
 GGGGACCACCGGTCTGGAGACCTCCAGCTACCCCGAACCTCCATACCCCATTCGGAAGAGGGGG
 ACCCTGGCCCTCCCGGGCTCTACACCCACCAGGAAGATGGCAAGGCTTGGCACCTAGCGGAGACAGA
 GCACTGTGGTCCACACCCTCTAACAGGGGCCAAGGAACCAATTTATCACCCATGAC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC234033 representing NM_001270987
 Red=Cloning site Green=Tags(s)

MEATGISLASQLKVPYASENQTCRDQEKEYEYPQHRICCSRCPGTYVSAKCSRI RDVTCATCAENSYN
 EHWNYL TICQLCRPCDPV MGL E E I A P C T S K R K T Q C R C Q P G M F C A A W A L E C T H C E L L S D C P P G T E A E L K D E
 V G K G N N H C V P C K A G H F Q N T S S P S A R C Q P H T R C E N Q G L V E A A P G T A Q S D T T C K N P L E P L P P E M S G T M L M L A
 V L L P L A F F L L L A T V F S C I W K S H P S L C R K L G S L L K R R P Q G E G P N P V A G S W E P P K A H P Y F P D L V Q P L L P I S G
 D V S P V S T G L P A A P V L E A G V P Q Q S P L D L T R E P Q L E P G E Q S Q V A H G T N G I H V T G G S M T I T G N I Y I Y N G P V L
 G G P P G P G D L P A T P E P P Y P I P E E G D P G P P L S T P H Q E D G K A W H L A E T E H C G A T P S N R G P R N Q F I T H D

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001270987

ORF Size: 1248 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_001270987.2](#)

RefSeq Size: 2088 bp

RefSeq ORF: 1251 bp

Locus ID: 4055

UniProt ID: [P36941](#)

Cytogenetics: 12p13.31

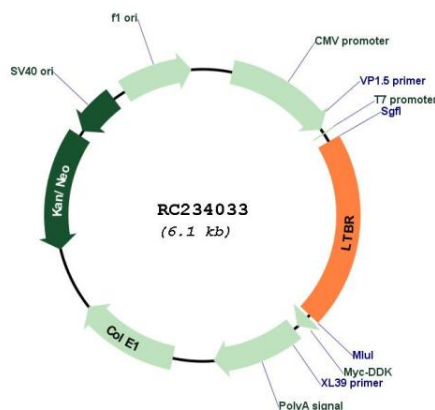
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

MW: 45.3 kDa

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]

Product images:



Circular map for RC234033