

## Product datasheet for **SC319120**

### Leukotriene B4 Receptor (LTB4R) (NM\_181657) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Leukotriene B4 Receptor (LTB4R) (NM_181657) Human Untagged Clone
Tag:	Tag Free
Symbol:	Leukotriene B4 Receptor
Synonyms:	BLT1; BLTR; CMKRL1; GPR16; LTB4R1; LTBR1; P2RY7; P2Y7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_181657.1  
 CTCTCTCACTGCTCCTTCTGGTCTCTTCTCATCTGGCCCCACCTCTAAGGAGTCTCTCT  
 GCCTTCTGGGTTGCCCTGGAAAACAGACTATCCCCCTCTAGTGAAGGGAGTGGGTAGG  
 GGTTCAGCCCCACCCTCAGGAAGATGCGTCTTCCCTGTCTCTGCTCTGTGGTACTTCC  
 TCTCTGGCTGATTTAGCAAACAGCACCTAGACCTGGGGCCAGGCCTTTGGCAGTGGGACA  
 GATCCAGGGATAGGCTACACCACCCTGCCCTGACCCTGGGATTGGCATCAGCTTCCAACC  
 AGTTCCGCAAAAGCTTGTCTCCCGAGGCCATGAACACTACATCTTCTGCAGCACCCC  
 CCTCACTAGGTGTAGAGTTCATCTCTGCTGGCTATCATCCTGCTGTCAGTGGCCTGG  
 CTGTGGGGCTTCCCGCAACAGCTTTGTGGTGTGGAGTATCCTGAAAAGGATGCAGAAGC  
 GCTCTGCACTGCCCTGATGGTGTGAACCTGGCCCTGGCCGACCTGGCCGTATTGCTCA  
 CTGCTCCCTTTTTCTTCACTTCTGGCCCAAGGCACCTGGAGTTTTGGACTGGCTGGTT  
 GCCGCTGTGCTACTATGTCTGCGGAGTCAGCATGTACGCCAGCGTCTGCTTATCACGG  
 CCATGAGTCTAGACCGCTCACTGGCGGTGGCCCGCCCTTTGTGTCCAGAAGCTACGCA  
 CCAAGGCATGGCCCGGGGTGCTGGCAGGCATCTGGGTGTTGCTTTCTGCTGGCCA  
 CACCCGTCTCGGTACCGCACAGTAGTCCCTGAAAACGAACATGAGCCTGTGCTTCC  
 CGCGGTACCCAGCGAAGGGCACCGGGCCTTCCATCTAATCTTCGAGGCTGTACGGGCT  
 TCTGCTGCCCTTCTGGCTGTGGTGGCCAGCTACTCGGACATAGGGCGTCGGCTACAGG  
 CCCGGCGCTTCCGCCGACGCCGCCACCGGCCCTGGTGGTGTCTATCATCCTGACCT  
 TCGCCGCTTCTGGCTGCCCTACCACGTGGTGAACCTGGCTGAGGCGGGCCGCGCTGG  
 CCGGCCAGGCCCGGGTTAGGGCTCGTGGGAAGCGGCTGAGCCTGGCCCGCAACGTGC  
 TCATCGCACTCGCTTCTGAGCAGCAGCGTGAACCCGTGCTGTACGCGTGCGCCGGCG  
 CCGAGCGTCCAGCACGCGCCGCGGGGCGAGCCTGGGCCAGACCGCTAGGAGCGGCCCCG  
 CCGCTTTGGAGCCCGCCCTTCCGAGAGCCTCACTGCCTCCAGCCCTTTCAAGTTAAACG  
 AACTGAACTAGGCCTGGTGAAGGAGGCGCACTTCTCCTGGCAGAATGCTAGCTCTGA  
 GCCAGTTCAGTACCTGGAGGAGGAGCAGGGGCGTGGAGGGCGTGGAGGGCGTGGGAGCGT  
 GGGAGGCGGGAGTGGAGTGAAGAAGAGGGAGAGATGGAGCAAAGTGGAGGCCGAGTGG  
 AGCGTGTCCAGCCTGGCTCCACAGGCAGCTTTAACCATTAATAACTGAAGTCTGAAATT  
 TGAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_181657

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_181657.1</a> , <a href="#">NP_858043.1</a>
<b>RefSeq Size:</b>	3023 bp
<b>RefSeq ORF:</b>	1059 bp
<b>Locus ID:</b>	1241
<b>UniProt ID:</b>	<a href="#">Q15722</a>
<b>Cytogenetics:</b>	14q12
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>Gene Summary:</b>	<p>Receptor for extracellular ATP &gt; UTP and ADP. The activity of this receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system. May be the cardiac P2Y receptor involved in the regulation of cardiac muscle contraction through modulation of L-type calcium currents. Is a receptor for leukotriene B4, a potent chemoattractant involved in inflammation and immune response.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>