

## Product datasheet for SC326922

### Leukotriene B4 Receptor 2 (LTB4R2) (NM\_001164692) Human Untagged Clone

#### Product data:

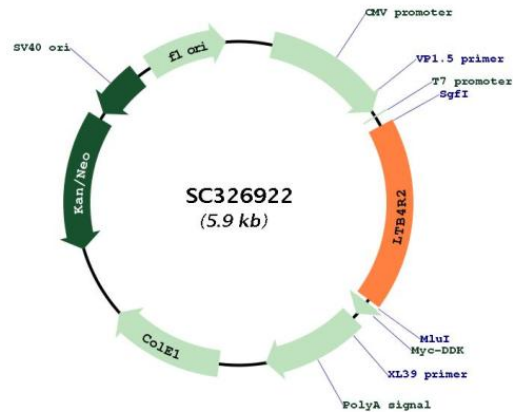
Product Type:	Expression Plasmids
Product Name:	Leukotriene B4 Receptor 2 (LTB4R2) (NM_001164692) Human Untagged Clone
Tag:	Tag Free
Symbol:	LTB4R2
Synonyms:	BLT2; BLTR2; JULF2; KPG_004; LTB4-R 2; LTB4-R2; NOP9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326922 representing NM_001164692. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCCGGTCTGCTACCGTCCCCAGGGAACGAGACTGCTGAGCTGGAAGACTTCGCGGGCCACAGGC
ACAGCCTTCTGCTGCTGGCGGCTGCTGGGGCTGCCTGGCAACGGCTTCGTGGTGTGGAGCTTGGCG
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CGCCGCTGCTGCTGGCGGTCTGGCTGGCCGCCCTGTTGCTCGCCGTCGCCGCGCGCTACCGCCAC
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GCCTTCTCAGTCTAGCGTCAACCCGGTGTCTACGTCTTACCCTGGAGATCTGCTGCCCGGGCA
GGTCCCGTTTCTCACGCGCTCTTCAAGGCTCTGGGAGGCCGAGGGGGCGGCGCTTAGGGAA
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GGGGTGGGATGGAGAAGGACGGTCCGGAATGGGACCTTTGA
ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001164692

**Insert Size:** 1077 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).

**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).

**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\\_001164692.2](#)

**RefSeq Size:** 1560 bp

**RefSeq ORF:** 1077 bp

**Locus ID:** 56413

UniProt ID:	<u>Q9NPC1</u>
Cytogenetics:	14q12
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Calcium signaling pathway, Neuroactive ligand-receptor interaction
MW:	37.9 kDa
Gene Summary:	<p>Low-affinity receptor for leukotrienes including leukotriene B4. Mediates chemotaxis of granulocytes and macrophages. The response is mediated via G-proteins that activate a phosphatidylinositol-calcium second messenger system. The rank order of affinities for the leukotrienes is LTB4 &gt; 12-epi-LTB4 &gt; LTB5 &gt; LTB3.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>