

Product datasheet for **SC335440**

CysLT1 (CYSLTR1) (NM_001282186) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CysLT1 (CYSLTR1) (NM_001282186) Human Untagged Clone
Tag: Tag Free
Symbol: CYSLTR1
Synonyms: CYSLT1; CYSLT1R; CYSLTR; HMTMF81
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC335440 representing NM_001282186.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

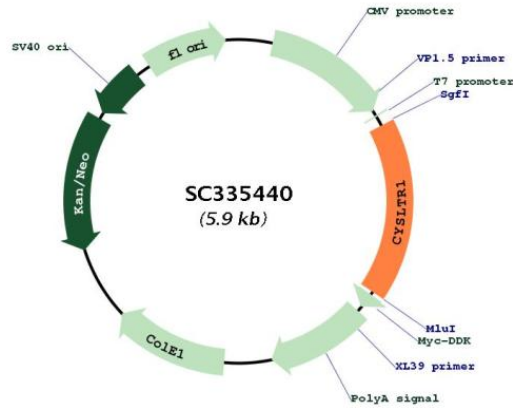
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GTCCTCATAAAAACCTATCACAAGAAGTCAGCCTTCCAAGTATACATGATTAATTTAGCAGTAGCAGAT
CTACTTTGTGTGTCACACTGCCTCTCCGTGGTCTATTATGTTCAAAAGGCATTTGGCTCTTTGGT
GACTTCTGTGCCGCTCAGCACCTATGCTTTGTATGTCAACCTCTATTGTAGCATCTTCTTTATGACA
GCCATGAGCTTTTCCGGTGCATTGCAATTGTTTTCCAGTCCAGAACATTAATTTGGTTACACAGAAA
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AAGAAGGCTCTTTGCCAGAAAAGGAGAAGAAATATGTAAGTATAG
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001282186

Insert Size: 1014 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_001282186.1](https://www.ncbi.nlm.nih.gov/RefSeq/seq/statements/NC_019961.2/NC_019961.2.gene?term=CysLT1%20(CYSLTR1)&from=Gene)

RefSeq Size:	2693 bp
RefSeq ORF:	1014 bp
Locus ID:	10800
UniProt ID:	Q9Y271
Cytogenetics:	Xq21.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Calcium signaling pathway, Neuroactive ligand-receptor interaction
MW:	38.5 kDa
Gene Summary:	<p>This gene encodes a member of the G-protein coupled receptor 1 family. The encoded protein is a receptor for cysteinyl leukotrienes, and is involved in mediating bronchoconstriction via activation of a phosphatidylinositol-calcium second messenger system. Activation of the encoded receptor results in contraction and proliferation of bronchial smooth muscle cells, eosinophil migration, and damage to the mucus layer in the lung. Upregulation of this gene is associated with asthma and dysregulation may also be implicated in cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2, 3, and 4 encode the same protein.</p>