

Specifications:

Gene:	hCYSLTR2
Accession:	NP_065110
Insert size:	1054bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

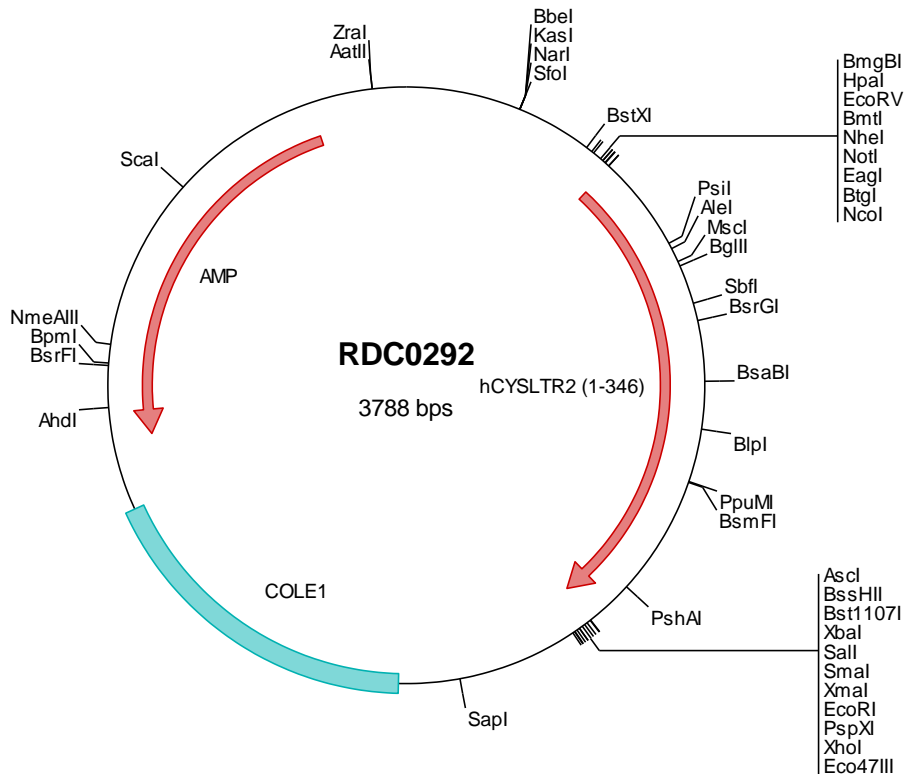
hCYSLTR2 cDNA Plasmid

CYSLTR2 cysteinyl leukotriene receptor 2 [*Homo sapiens*]

Also known as: HG57; CYSLT2; HPN321; CYSLT2R; KPG_011; hGPCR21; PSEC0146

Summary:

The cysteinyl leukotrienes LTC₄, LTD₄, and LTE₄ are important mediators of human bronchial asthma. Pharmacologic studies have determined that cysteinyl leukotrienes activate at least 2 receptors, CYSLTR1 and CYSLTR2. Both receptors are members of the superfamily of G protein-coupled receptors. CYSLTR2 seems to play a major role in endocrine and cardiovascular systems. Stimulation of CYSLTR2 by BAY u9773, a partial agonist, induces specific contractions of pulmonary veins and might also have an indirect role in the relaxation of the pulmonary vascular endothelium.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0292 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatagtcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgccagggt ttcccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcct ggatccgata tcgctagcgc gggccgcaac atggagagaa aatttatgtc cttgcaacca tccatctcgc taccagaaat
501 ggaacccaat ggcacctca gcaataacaa cagcaggaac tgcacaattg aaaactcoaa gagagaattt tcccgaattg tatactctgat aatatttttc
601 tggggagtct tgggaaatgg gttgtccata tatgttttcc tgcagcetta taagaagtcc acatctgtga acgttttcat gctaaatctg gccatttcag
701 atctcctgtt cataagcagc cttoccttca gggctgacta ttatcttaga ggctccaatt ggatatttgg agacctggcc tgcaggatta tctcttattc
801 cttgtatgtc aacatgtaca gcagtattta ttctctgacc gtgctgagtg ttgtgctgtt cctggcaatg gttcaccctt tctcgctctc gcagtcaacc
901 agcatcagga gtgctggtg cctctgtggg atcaatagga tctctatcat ggcttctca ataagtctcc tggacagtgg ctctgaacag aacggcagtg
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1501 agtatactct agagtgcaca cccggggaat tctcagagcg cctcgtctca gcttggccta atcatggtca tagctgtttc ctgtgtgaaa ttgttatccg
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1701 ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg ggagagcggg tttgcgtatt ggcgcctctt ccgcttctc
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2601 acgaaaactc acgttaaggg attttggta tgagattatc aaaaaggatc ttcacctaga tctttttaa ttaaaaatga agttttaa atcaatcaaa
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3401 cgttctctgg ggcgaaaaat ctaaggatc ttaccgtgt tgagatccag ttcgatgtaa cccactcgt gaccacaact atcttcagca tcttttactt
3501 tcaccagct ttctgggtga gcaaaaacag gaaggcaaaa tgccgcaaaa aagggaataa gggcgacag gaaatgttga atactcatac tcttctttt
3601 tcaatattat tgaagcattt atcagggtta ttgtctcat agcgatata tatttgaatg tatttagaaa aataaacaat taggggttcc gcgcacattt
3701 cccgaaaag tgcacactga cgtctaagaa accattatta tcatgacatt aacctataaa aataggcgta tcacgagccc ctttctgc

> RDC0292 Translated Insert Sequence

1 merkfmslqp sisvsemepn gtfsnnsrn ctienfkref fpivyliiff wgvlgnglsi yvflqpykks tsvnvfmlnl aisdllfist lpfradyylr
101 gsnwifgdla crimsyslyv nmysiiflt vlsvvrflam vhpfrllhvt sirsawilcg iwilimass imlldsgseq ngsvtsclel nlykiaklqt
201 mnyialvvc llpfftlslc yllirvllk vepesglrv shrkalttii itliifflcf lpyhtlrvh lttkwvlgck drlhkalvit lalaaaacaf
301 npllyyfage nfkdrllksal rkghpqkakt kcvfpvsvwl rketrz