

Product datasheet for **MR229339**

Cysltr1 (NM_001281862) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cysltr1 (NM_001281862) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cysltr1
Synonyms: BB147369; Cysl1; CysLT1R
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229339 representing NM_001281862
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAATGGAAGTAAAACTGACGACATCTCTCATTAAACACGTGTCATGACACAATTGATGAATTCC
GAAATCAAGTATACTCCACTATGTATTCTGTGATCTCTGTTGTGGTTTCTTTGGCAATAGCTTTGTGCT
CTATGTCCTCATAAAAAACATACCATGAGAAATCAGCCTTCCAAGTATACATGATTAATCTAGCCATAGCA
GATCTACTCTGTGTATGTACATTGCCTCTCCGTGTGGTCTATTATGTTCAAAAGGCAAGTGCTCTTTG
GTGACTTTTTGTGCCGCTCACCACCTATGCCTGTACGTTAACCTCTATTGTAGCATCTCTTTATGAC
AGCCATGAGCTTTTTCCGGTGTGTTGCAATTGTCTTTCCAGTCCAGAACATTAATTTGGTTACACAGAAA
AAAGCCAGGTTTCGTTGCAATTTGGATTTTGTGATTTTGACAAGTTCTCCCTTTTAAATGTACA
AATCTTACCAAGATGAGAAAAACAATACTAAATGCTTTGAGCCTCCACAGAACAATCAAGCTAAAAAATA
CGTTTTGATCTTGCAATATGTGTCATTATCTTTGGTTTCATCATCCCTTTGTCCACATAATTGTCTGT
TACACAATGATCATTCTGACCTTACTAAAAATACAATGAAGAAAAACATGCCAAGTCGTAGGAAGGCTA
TAGGGATGATCATAGTTGTGACAGCTGCCTTTTGTAGTGCCTTCATGCCATATCATATTTCAACGAAGCTA
CCACCTTACCTTTTACACAGTGAAACTAGACCCTGTGATTCTGTCTTAGGATGCAGAAGTCAGTGGTC
ATAACCTTATCTAGCTGCATCAAATTGTTGCTTTGATCCTCTGCTATATTTCTTTTCAGTGGAAGCT
TTAGGAGAAGGCTATCTACATTTAGAAAGCATTCTTTGTCCAGTATGACTTATGTACCAAGAAGAAAGC
TTCCTTGCAGAAAAAGGAGAAGAAATATGTAACGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229339 representing NM_001281862
Red=Cloning site Green=Tags(s)

MNGTENLTTSLINNTCHDTIDEFRNQVYSTMYSVISVVGFFGNSFVLYVLIKTYHEKSAFQVYMINLAIA
 DLLCVCTLPLRVVYVYHKGKWLFGDFLCRLTTYALYVNLVCSIFFMTAMSFRCVAIVFPVQINLVTQK
 KARFVCIGIWIWIFVILTSSPFLMYKSYQDEKNNTKCFEPPQNNQAKKYVLILHYVSLFFGIIPFVTIIVC
 YTMIIILTLLKNTMKKNMPSRRKAIGMIIVVTA AFLVVSFMPYHIQRTIHLHLLHSETRPCDSVLRMQKSVV
 ITLSLAASNCCFDPLLYFFSGGNFRRRLSTRFKHSLSSMTYVPPKKKASLPEKGEEICNE

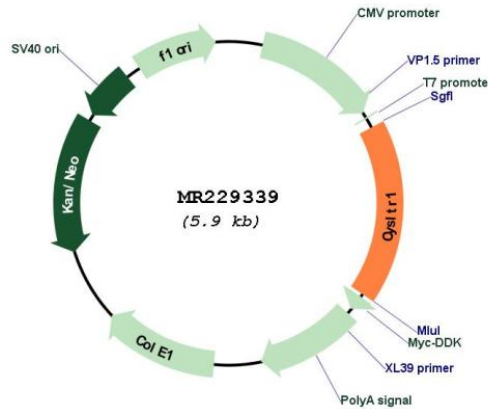
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001281862

ORF Size: 1017 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:	<ol style="list-style-type: none"> 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_001281862.1 , NP_001268791.1
RefSeq Size:	2802 bp
RefSeq ORF:	1020 bp
Locus ID:	58861
UniProt ID:	Q99JA4
Cytogenetics:	X D
MW:	39.6 kDa
Gene Summary:	Receptor for cysteinyl leukotrienes mediating constriction of the microvascular smooth muscle during an inflammatory response. This response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system. The rank order of affinities for the leukotrienes is LTD4 >> LTE4 = LTC4 >> LTB4.[UniProtKB/Swiss-Prot Function]