

Product datasheet for **MC227223**

Cysltr1 (NM_001281859) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cysltr1 (NM_001281859) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cysltr1
Synonyms: BB147369; Cysl1; CysLT1R
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227223 representing NM_001281859
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTACCTCCAAGGCACCAAGCAGACATTCCTGGAGAACATGAATGGAAGTAAAATCTGACGACATCTC
TCATTAATAACACGTGTCATGACACAATTGATGAATCCGAAATCAAGTATACTCCACTATGTATTCTGT
GATCTCTGTTGTGGGTTCTTTGGCAATAGCTTTGTGCTCTATGCCTCATAAAAAACATACCATGAGAAA
TCAGCCTTCCAAGTATACATGATTAATCTAGCCATAGCAGATCTACTCTGTGTATGTACATTGCCTCTCC
GTGTGGTCTATTATGTTCAAAAGGCAAGTGGCTCTTTGGTGACTTTTTGTGCCGCTCACCACCTATGC
CTTGACGTTAACCTCTATTGTAGCATCTCTTTATGACAGCCATGAGCTTTTTCCGGTGTGTTGCAATT
GTCTTTCCAGTCCAGAACATTAATTTGGTTACACAGAAAAAGCCAGGTTTCGTTTGCATTGGAATTTGGA
TTTTTGTGATTTTGACAAGTTCTCCCTTTTAAATGTACAAATCTTACCAAGATGAGAAAAACAATACTAA
ATGCTTTGAGCCTCCACAGAACAATCAAGCTAAAAATACGTTTTGATCTTGCAATATGTGTCATTATTC
TTTGGTTTCATCATCCCTTTTGTACCATAATTGTCTGTTACACAATGATCATTCTGACCTACTAAAAA
ATACAATGAAGAAAAACATGCCAAGTCGTAGGAAGGCTATAGGGATGATCATAGTTGTGACAGCTGCCTT
TTTAGTGAGCTTCATGCCATATCATATTCAACGAACATCCACCTTCACCTTTTACACAGTGAAACTAGA
CCCTGTGATTCTGTCTTAGGATGCAGAAGTCAGTGGTCATAACCTTATCTCTAGCTGCATCAAATTTGT
GCTTTGATCCTCTGCTATATTTCTTTTCAGGTGGAACTTTAGGAGAAGGCTATCTACATTTAGAAAGCA
TTCTTTGTCCAGTATGACTTATGTACCCAAGAAGAAAGCTTCCTTGCCAGAAAAAGGAGAAGAAATATGT
AACGA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001281859



Insert Size:	1059 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001281859.1</u> , <u>NP_001268788.1</u>
RefSeq Size:	2960 bp
RefSeq ORF:	1059 bp
Locus ID:	58861
UniProt ID:	<u>Q99JA4</u>
Cytogenetics:	X D
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same isoform (a). 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>