

Product datasheet for **MG222300**

Cysltr2 (NM_133720) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cysltr2 (NM_133720) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cysltr2
Synonyms: 2300001H05Rik; Cltr2; Cyslt2; CYSLT2R
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG222300 representing NM_133720
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGTAACTGGGACCCAGCAGTTATAGTAACAGGAACTGTACAATAGAAAACCTTTAAGAAGGAAT
TTTACCCCATCATACCTGATAATATTTTCTGGGGAGCCTTGGGAAATGGCTTTCCATATATGTCTT
TCTACAGACTTGAAGAAGTCCACATCTGTAATGTTTTTCATGCTCAACCTGGCCACTCCGATTTTCTA
TTCATCAGCACCTTGCCCTTCAGGGCTGACTATTATTTTCAGAGGTTCCAATTGGATATTTGGGGACTTGG
CCTGCAGAGTCATGTCTTATTCCTTATATGTCAACATGTATACTAGCATTATTTCTAACTGTGCTGAG
TGTGGTGCCTTCTGGCCACAGTCCACCCCTTCCGGATGTTCCATGTCACCAAGTGTGAGGAGTGCCTGG
ATCCTCTGTGGGATCATATGGGTTTTTCATCATGGCTTCTCAGCCCTGCTTCTGGTGAACGGCCAAGAGG
AGAAAGATAACATTATATCATGCTTGGAGCTGAGTCTCAAAGTTTAAAGTCTCCTGATCATGAACCA
CATTGCAGTAGCGGTAGGCTTCTTGCTCCCATTTCTCACGCTCACCGTCTGCTACCTGCTGATCATCCGG
ATCTTGTTAAAGGCGGAGATTCCAGAATCAGGTCCACGTGCTGCTCATAGGAAGGCGTGACCACCATTG
TCATTGCCATGATCACCTTCTCCTCTGTTTTCTGCCATACCATGCACTGCGGACCCTCCACTTGGTCAC
ATGGGATAAAGATTCATGTGGGATGTGCTACATAAGGCCACAGTCATCACACTGACCATGGCTGCAGCC
AATAGCTGCTTCAATCCCTTTCTCTATTATTTGCTGGGAGAATTTCAAAGCTCGATTAAGGGCTATAT
TCAGCAAAGTTCATCTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222300 representing NM_133720
Red=Cloning site Green=Tags(s)

MEVTGTPSSYSNRNCTIENFKKEFYPIIYLIIFFWGALNGFSIYVFLQTCKKSTSVNVFMLNLATSDFL
 FISTLPFRADYYFRGSNWIFGDLACRVMSYSLYVNMYSIYFLTVLSVVRFLATVHPFRMFHVTSVRSAAW
 ILCGIIWVIFIMASSALLLVNGQEEKDNIIISCLELSPQKFKSLLIMNHIAVAVGFLLPFLTLTVCYLLIIR
 ILLKAEIPESGPRAAHRKALTTIVIAMITFLLCFLPYHALRTLHLVTWDKDCGDVLRHKATVITLMAAA
 NSCFNPFLYYFAGENFKARLRAIFSKVHL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133720

ORF Size: 927 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:

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_133720.3](#), [NP_598481.2](#)

RefSeq Size: 1802 bp

RefSeq ORF: 930 bp

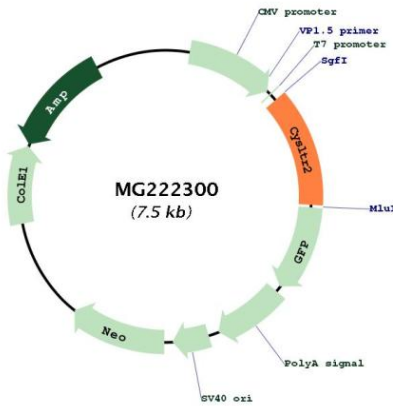
Locus ID: 70086

UniProt ID: [Q920A1](#)

Cytogenetics: 14 D3

Gene Summary: Receptor for cysteinyl leukotrienes. The response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system. The rank order of affinities for the leukotrienes is LTC4 = LTD4 >> LTE4.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG222300