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Product datasheet for MG205348

Cysltr1 (NM_021476) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cysltr1 (NM_021476) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cysltr1
Synonyms:	BB147369; Cyslt1; CysLT1R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG205348 representing NM_021476
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTACCTCCAAGGCACCAAGCAGACATTCCTGGAGAACATGAATGGAACTGAAAATCTGACGACATCTC
TCATTAATAACACGTGTCATGACACAATTGATGAATTCCGAAATCAAGTATACTCCACTATGTATTCTGT
GATCTCTGTTGTGGGTTTCTTTGGCAATAGCTTTGTGCTCTATGTCCTCATAAAAACATACCATGAGAAA
TCAGCCTTCCAAGTATACATGATTAATCTAGCCATAGCAGATCTACTCTGTGTATGTACATTGCCTCTCC
GTGTGGTCTATTATGTTCACAAAGGCAAGTGGCTCTTTGGTGACTTTTTGTGCCGCCTCACCACCTATGC
CTTGTACGTTAACCTCTATTGTAGCATCTTCTTTATGACAGCCATGAGCTTTTTCCGGTGTGTTGCAATT
GTCTTTCCAGTCCAGAACATTAATTTGGTTACACAGAAAAAAGCCAGGTTCGTTTGCATTGGAATTTGGA
TTTTTGTGATTTTGACAAGTTCTCCCTTTTTAATGTACAAATCTTACCAAGATGAGAAAAACAATACTAA
ATGCTTTGAGCCTCCACAGAACAATCAAGCTAAAAAATACGTTTTGATCTTGCATTATGTGTCATTATTC
TTTGGTTTCATCATCCCTTTTGTCACCATAATTGTCTGTTACACAATGATCATTCTGACCTTACTAAAAA
ATACAATGAAGAAAAACATGCCAAGTCGTAGGAAGGCTATAGGGATGATCATAGTTGTGACAGCTGCCTT
TTTAGTGAGCTTCATGCCATATCATATTCAACGAACTATCCACCTTCACCTTTTACACAGTGAAACTAGA
CCCTGTGATTCTGTCCTTAGGATGCAGAAGTCAGTGGTCATAACCTTATCTCTAGCTGCATCAAATTGTT
GCTTTGATCCTCTGCTATATTTCTTTTCAGGTGGAAACTTTAGGAGAAGGCTATCTACATTTAGAAAGCA
TTCTTTGTCCAGTATGACTTATGTACCCAAGAAGAAAGCTTCCTTGCCAGAAAAAGGAGAAGAAATATGT
AACGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

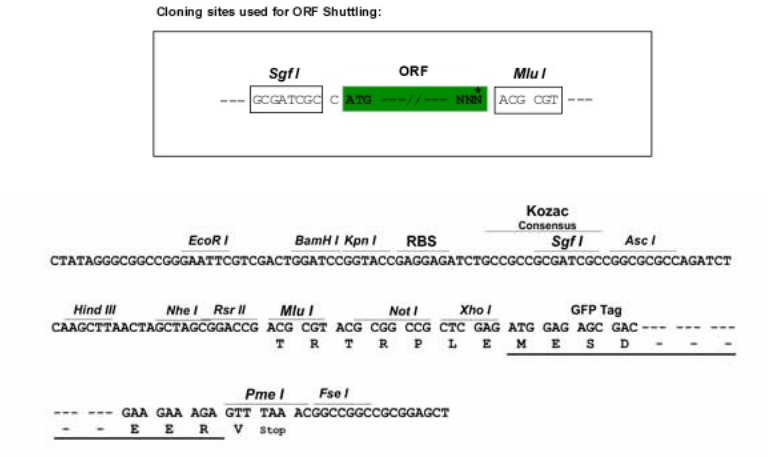
>MG205348 representing NM_021476
Red=Cloning site Green=Tags(s)

MYLQGTKQTFLENMNGTENLTTSLINNTCHDTIDEFRNQVYSTMYSVISVVGFFGNSFVLYVLIKTYHEK
SAFQVYMINLAIADLLCVCTLPLRVVYYVHKGKWLFGDFLCRLTTYALYVNLYCSIFFMTAMSFFRCVAI
VFPVQNINLVTQKKARFVCIGIWIFVILTSSPFLMYKSYQDEKNNTKCFEPPQNNQAKKYVLILHYVSLF
FGFIIPFVTIIVCYTMIILTLLKNTMKKNMPSRRKAIGMIIVVTAAFLVSFMPYHIQRTIHLHLLHSETR
PCDSVLRMQKSVVITLSLAASNCCFDPLLYFFSGGNFRRRLSTFRKHSLSSMTYVPKKKASLPEKGEEIC
NE

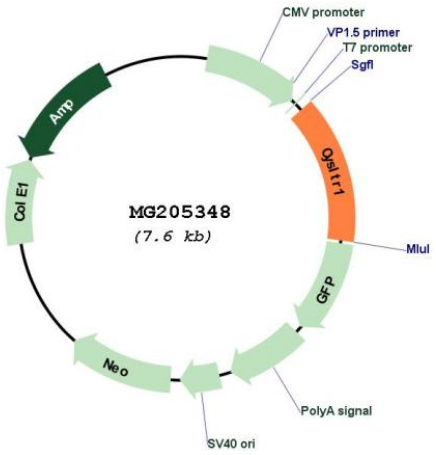
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_021476

ORF Size:	2976 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_021476.5, NP_067451.2
RefSeq Size:	2754 bp
RefSeq ORF:	1059 bp
Locus ID:	58861
UniProt ID:	Q99JA4
Cytogenetics:	X D
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]