

Product datasheet for **RR212803**

Cysltr1 (NM_053641) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cysltr1 (NM_053641) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cysltr1
Synonyms:	Cyslt1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212803 representing NM_053641 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTGGAGCTGAAAAATGACAGCATCTTTCAGTAATAACAGATGTCATGACACAATTGATGAATTCC
GAAATCAGGTGTACTCCACAATGTACTCTATGATCTCCGTTGTGGTTTCTTTGGCAATAGCTTTGTCCT
CTATGTCCTCATAAAAAACATACCATGAGAAATCAGCCTTCCAAGTATACATGATTAATCTAGCCATAGCA
GATCTACTCTGTGTATGTACATTGCCTCTCCGTGTGGTCTACTATGTTCCAAAGGCAAGTGTTCTTTG
GTGACTTTTTGTGCCGCTCACCACCTATGCCTTATATGTTAACCTCTATTGTAGCATCTCTTTATGAC
AGCCATGAGCTTTTTCCGGTGTGTTGCAATTGTCTTTCCAGTCCAGAACATTAATTTGGTTACACAGAAA
AAAGCCAGGTTTGTGTGTTGGAATTTGGATTTTGTGATTTTGACAAGTTCTCCATTTTACTGAGCA
AATCTTACCAAGATGAGAAAAACAATACTAAATGTTTTGAGCCTCCACAGGACAAACAACTAAAAAATA
TGTTTTGGTCTTGCAATTGTGTCATTAATCTTTGGTTTCATCATCCCTTTGTCCACATAATTGTCTGT
TACACAATGATCATTCTGACCTTACTAAAAATACAATGAAGAAAAACCTGCCAAGTCAAGGAAGGCTA
TAGGAATGATCATAGTTGTGACAGTGCCTTTTTAGTCAGTTCATGCCATATCATATTTCAACGAGCTAT
CCACCTTCACTTTTTACACAGTGAAACTAGATCCTGTGACTCTGTCCCTTAGGATGCAGAAGTCAGTGGTC
ATAACCTTATCTTAGCTGCATCAAATTGTTGCTTTGATCCTCTGCTATATTTCTTTTCAGTGGAAGCT
TTAGGAGAAGGCTGTCTACATTTAGAAAGCATTCTTTGTCCAGTATGACTTACATACCCAAAAAGAAAGC
TTCCTTGCAGAAAAAGGAGAAGAAATGTGTAAGAA

ACGGTACGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212803 representing NM_053641
Red=Cloning site Green=Tags(s)

MVGAENMTASFNNRCHDTIDEFRNQVYSTMYSMISVVGFFGNSFVLYVLIKTYHEKSAFQVYMINLAIA
 DLLCVCTLPLRVVYVYHKGKWFVGFDFLRLTTYALYVNLVCSIFFMTAMSFRCVAIVFPVQINLVTQK
 KARFVCGIWIWIFVILTSSPFLLSKSYQDEKNNTKCFEPPQDKQTKKYVLVLHYVSLIFGIIPFVTIIVC
 YTMIIILTLLKNTMKKNLPSRRAIGMIIVVTA AFLV SFMPYHIQRAIHLHFLHSETRSCDSVLRMQKSVV
 ITLSLAASNCCFDPLLYFFSGGNFRRRLSTRFKHSLSSMTYIPKKKASLPEKGEEMCKE

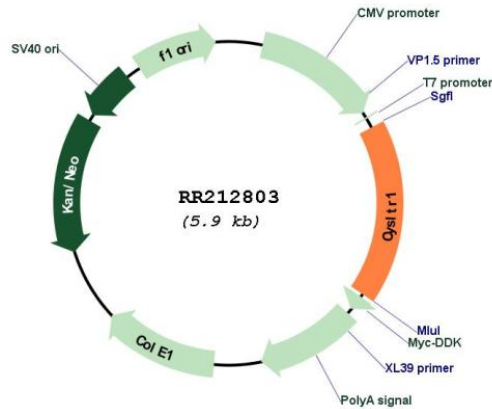
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053641

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_053641.1 , NP_446093.1
RefSeq Size:	1020 bp
RefSeq ORF:	1020 bp
Locus ID:	114099
UniProt ID:	Q924T8
Cytogenetics:	Xq22
MW:	39.1 kDa
Gene Summary:	plays a role in the development of eosinophilic airway inflammation [RGD, Feb 2006]