

## Product datasheet for RN211274

### Ltc4s (NM\_053639) Rat Untagged Clone

#### Product data:

|                      |   |
|----------------------|---|
| Product Type:        | Expression Plasmids   |
| Product Name:        | Ltc4s (NM_053639) Rat Untagged Clone  |
| Tag:                 | Tag Free  |
| Symbol:              | Ltc4s   |
| Vector:              | pCMV6-Entry (PS100001)  |
| E. coli Selection:   | Kanamycin (25 ug/mL)  |
| Cell Selection:      | Neomycin  |
| Fully Sequenced ORF: | >RN211274 representing NM_053639<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAAGGAAGAAACAGCTCTTCTGGCTACCGTCACCCCTCGTGGGAGTTCTGCTGCAAGCCTACTTCTCCC  
TACAGGTGATCTCTGCGGAAGAACTTCCACGTGTCGCCCGCTCACCTCTGGCCCTCCCGAGTTCTGA  
GCGCGTCTTCCGAGCCAGGTAATTCAGCGAGTACTTCCGCTGTTCCCTCGCCAGCTCGGGTCGCC  
GGCATCTTCTCCACGAAGGCGCCGAGCCCTGTGCGGGCTGTTCTACCTGTTCCGCGGGCTCCGCTACT  
TCCAGGGATACGCGCGCTCCGCACAGCACAGGCTGGATCCCTGTACGCGAGCGCGCGCTCTGGCT  
GCTAGTGGCAATGGCTGCACTGGCTTGTAGTCCACTTCTCCCTGGCACACTACGGGCTGCGCTCTTC  
AGATGGCTCCAGGTGCTCCTGCCGATGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                    |  |
|--------------------|--|
| Restriction Sites: | Sgfl-MluI  |
| ACCN:              | NM_053639  |
| Insert Size:       | 453 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). |
| 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).   |



[View online »](#)

**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\\_053639.2](#), [NP\\_446091.2](#)

**RefSeq Size:** 506 bp

**RefSeq ORF:** 453 bp

**Locus ID:** 114097

**UniProt ID:** [Q925U2](#)

**Cytogenetics:** 10q22

**Gene Summary:** conjugates leukotriene LTA4 with reduced glutathione (GSH) to form LTC4, mediates inflammatory responses in mast cells, eosinophils, basophils, monocytes-macrophages, and platelets [RGD, Feb 2006]