

# **Product datasheet for MG200453**

## Ltc4s (BC028760) Mouse Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: Ltc4s (BC028760) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Ltc4s

Mammalian Cell Neomycin

Selection:

**Vector:** pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG200453 representing BC028760

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGAAGGACGAAGTGGCTCTTCTGGCTACCGTCACCCTCGTGGGAGTTCTGTTGCAAGCCTACTTCTCCC TACAGGTGATCTCTGCACGAAGGGCTTTCCACGTGTCGCCGCCGCCTCACCTCTGGCCCTCCCGAGTTCGA GCGCGTCTTCCGAGCCCAGGTAAACTGCAGCGAGTACTTTCCGCTGTTCCTCGCCACACTCTGGGTCGCC GGCATCTTCCTCCACGAAGGAGCCGCAGCCCTGTGCGGACTGTTCTACCTGTTCGCGCGCCCTCCGCTATT

TCCAGGGATACGCGCCTCAGCGCAACTCAGATGGCTCCAGATGCTCCTGCCGATGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG200453 representing BC028760

Red=Cloning site Green=Tags(s)

MKDEVALLATVTLVGVLLQAYFSLQVISARRAFHVSPPLTSGPPEFERVFRAQVNCSEYFPLFLATLWVA

GIFFHEGAAALCGLFYLFARLRYFQGYARSAQLRWLQMLLPMA

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul



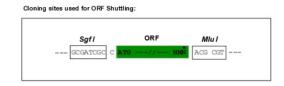
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

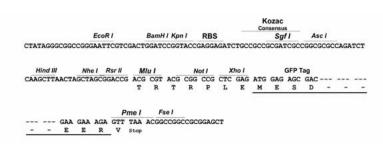
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

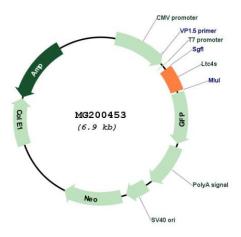


## **Cloning Scheme:**





## Plasmid Map:



**ACCN:** BC028760 **ORF Size:** 341 bp

#### Ltc4s (BC028760) Mouse Tagged ORF Clone - MG200453

**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:** <u>BC028760</u>, <u>AAH28760</u>

RefSeq Size: 503 bp
RefSeq ORF: 341 bp
Locus ID: 17001
Cytogenetics: 11 B1.3

**Gene Summary:** The protein encoded by this gene is an enzyme that catalyzes the synthesis of leukotriene C4

by combining leukotriene A4 with reduced glutathione. The encoded protein is found in the outer nuclear membrane and in the peripheral endoplasmic reticulum. Leukotrienes have been implicated as mediators of anaphylaxis and inflammatory conditions such as bronchial asthma in humans. Several transcript variants encoding two different isoforms have been

found for this gene. [provided by RefSeq, Sep 2015]