

Product datasheet for **MG209403**

Lta4h (NM_008517) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lta4h (NM_008517) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lta4h
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG209403 representing NM_008517
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGCCCGAGGTCGCGGATACTTGCTCCTTGCTTCTCCAGCCTCGGTCTGCCGAACCCAGCACCTCCATC
 TTCGCTGCAGCGTCGACTTCGCTCGCCGACGCTGACCGGGACGGCCGCGCTCACGGTCCAGTCACAGGA
 GGAGAATCTGCGCAGCCTGACTTTGGACACAAAAGACCTCACAATAGAAAAAGTGGTGATCAATGGACAA
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 CCCTGAGCAAAAATCAAGAGATCGTTATAGAAATTTCTTTGAGACATCTCCAAATCTCTGCGCTTCA
 GTGGCTCACTCCTGAACAGACGTCAGGGAAGCAGCACCCGATCTCTTCACTGAGTCCAGGCCATCCAC
 TGCAGGGCCATCTCCCTTGCCAAGACACTCCTCCGTGAAATTAACATACCCGAGAGGTGTCTGTCC
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 GAACAAGGAAGGATGAAATTCACACGTCTCTATTCAAGGATCTCGCTGCCTTTGACAAATCCCATGATC
 AAGCTGTCCACACCTACCAAGAGCATAAAGCCAGCATGCATCCCGTGACTGCGATGCTGGTGGGAGAGA
 TCTGAAAGTGGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209403 representing NM_008517
 Red=Cloning site Green=Tags(s)

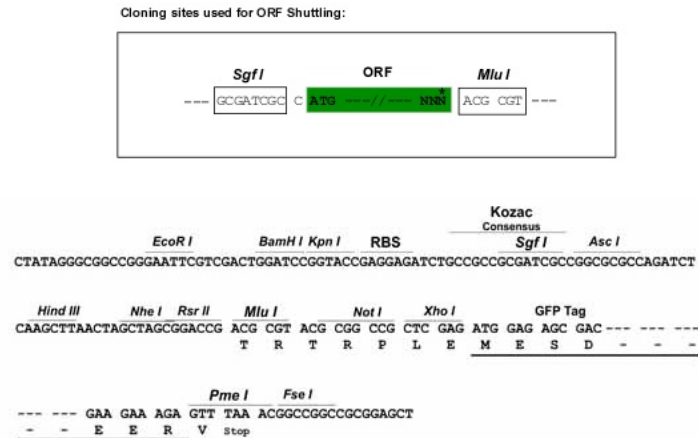
MPEVADTCSLASPASVCRTQHLHLRCSVDFARRTLTGTAALTVQSQEENLRSLTLDTKDLTIEKVINGQ
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 TTDDWKSFLYSHFKDKVDLLNQVDWNALYAPGLPPVKPNYDVTLTNACIALSQRWVTAKEEDLSSFSIA
 DLKDLSSHQLNEFLAQVLQKAPLPLGHIKRMQEVYNFNAINNSEIRFRWLRLCIQSKWEEAIPLALKMAT
 EQGRMKFTRPLFKDLAAFDKSHDQAVHTYQEHKASMPVTAMLVGRDLKVD

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_008517

ORF Size: 1833 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_008517.2](#), [NP_032543.2](#)

RefSeq Size: 2066 bp

RefSeq ORF: 1836 bp

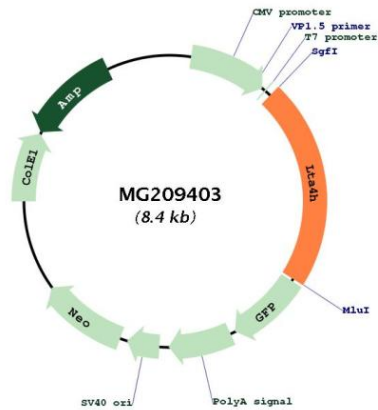
Locus ID: 16993

UniProt ID: [P24527](#)

Cytogenetics: 10 C2

Gene Summary: The protein encoded by this gene is an enzyme that contains both hydrolase and aminopeptidase activities. The hydrolase activity is used in the final step of the biosynthesis of leukotriene B4, a proinflammatory mediator. The aminopeptidase activity has been shown to degrade proline-glycine-proline (PGP), a neutrophil chemoattractant and biomarker for chronic obstructive pulmonary disease (COPD). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]

Product images:



Circular map for MG209403