

Product datasheet for **MC204028**

Lta4h (NM_008517) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lta4h (NM_008517) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lta4h
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC021417
 CCACGCGTCCGCCACGCGTCCGCCACGCGTCCGCTCGGGCTCGCGGTGAAAGTCTGGCGGTAGAGTGT
 CTGGGTGCTGGCTGACGTGCGGCGGATCTCCACAACCATGCCCGAGGTCGCGGATACTTGTCTCTGGC
 TTCTCCAGCCTCGGTCTGCCAACCAGCACCTCCATCTTCGCTGCAGCGTCGACTTCGCTCGCCGGACG
 CTGACCGGGACGGCCGCGCTCACGGTCCAGTCACAGGAGGAGAATCTGCGCAGCCTGACTTTGGACACAA
 AAGACCTCACAATAGAAAAAGTGGTGATCAATGGACAAGAAGTCAAATACACCCTTGGAGAAAGTCAAGG
 TTACAAAAGGTCACCCGATGGAAATCTCTTCCCATCGCCCTGAGCAAAAATCAAGAGATCGTTATAGAA
 ATTTCTTTGAGACATCTCCAAATCCTCTGCGCTTCAGTGGCTCACTCCTGAACAGACGTCAGGGAAGC
 AGCACCCGTATCTTTCAGTCAGTGCCAGGCCATCCACTGCAGGGCCATCCTCCCTTGCCAAAGACTCC
 TTCCGTGAAATTAACATACACCGCAGAGGTGTCTGTCCGAAAGAAGTGGTGGCTCTCATGAGTGCCATC
 CGTGATGGAGAAGCCCTGACCCAGAAGACCCAGCAGGAAGATTTACAGATTCAACCAGAGGGTCCCA
 TACCATGTACTGATTGCTTTGGTTGTTGGAGCTTTAGAAAGCAGACAAATTGGCCCAAGAACTCTGGT
 GTGGTCCGAGAAAGAGCAGGTGGAGAAATCTGCTAATGAATTTTCTGAGACCGAATCCATGCTTAAAT
 GCAGAAGATCTGGGGGGCCCTATGTTTGGGGCAGTACGACCTCTTGGTCTGCCCCATCCTTCCCGT
 ACGGTGGCATGGAGAACCCTTGCTCACGTTTCGTAAACGCTACGCTACTGGCAGGTGACAAGTCACTCTC
 CAACGTTATTGCACATGAAATATCTCATAGCTGGACAGGAAACCTAGTGACTAACAGACGTTGGGATCAC
 TTTTGGTTAAACGAAGGACATACTGTCTACTTAGAGCGCCACATTTGGGACGGTTGTTGGGGAAAAGT
 TCAGACATTTCCATGCTTTGGGAGGATGGGGAGAGCTACAGAATACGATAAAAACATTTGGGGAGTCCCA
 CCCCTTACCAAGCTCGTGGTTGATCTGAAGGACGTAGACCCCGATGTAGCCTATTCCCTCCATCCCCTAT
 GAGAAGGGCTTTGCACTACTCTTCTACCTTGAACAGCTTCTTGGGGGACCAGAGGTGTTTCTAGGATTCT
 TAAAGGCTTATGTTAAGAAGTTTCTACCAAAGTGTAAACGACTGATGACTGGAAGAGCTTCTATATTC
 CCACTTTAAAGACAAGGTGGATCTTCTCAATCAAGTTGATTGGAACGCTGGCTCTACGCTCCGGGCCTG
 CCTCTGTCAAGCCCAATTACGACGTGACTCTGACAAATGCTTGCATTGCCTTAAAGTCAAAGATGGGTTA
 CTGCCAAAGAGGAAGATTTAAGCTCATTACAGCATCGCAGACCTGAAGGATCTCTCGTCCCATCAGTGAA
 TGAGTTCTTGGCAGAGTCTTCAAGAGCACCTCTTCCCTTGGGGCACATAAAGCGAATGCAAGAGGTG
 TACAACCTCAATGCCATTAACAATTCTGAAATACGATTACAGATGGTTACGGCTCTGCATTCAATCGAAAT
 GGGAGGAAGCAATTCCTTTGGCCCTAAAGATGGCAACTGAAACAAGGAAGGATGAAATTCACACGCTCTCT
 ATTCAGGATCTCGCTGCCTTTGACAAATCCCATGATCAAGCTGTCCACACCTACCAAGAGCATAAAGCC
 AGCATGCATCCCGTACTGCGATGCTGGTGGGGAGAGATCTGAAAGTGGATTAAGGAACTGATTGTTGCT
 GATTTCCAGAAAATTCCTTTTTTTTTTAAAAAAAAAAATTGAACCTATTAAGAAATACAAAAAAAAAAAAAA A

Restriction Sites: RsrII-NotI

ACCN: NM_008517

Insert Size: 1836 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).

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: [BC021417](#), [AAH21417](#)

RefSeq Size: 2031 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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).