

Product datasheet for MC205015

Lyz1 (NM_013590) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lyz1 (NM_013590) Mouse Untagged Clone
Tag: Tag Free
Symbol: Lyz1
Synonyms: Lyz; Lyzf3; Lzp-s
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC061129
 AGCCAGCAGCTGACCCAGCCTCCAGTCACCATGAAGGCTCTCCTGACTCTGGGACTCCTCCTGCTTTCTG
 TCACTGCCAGGCCAAGGTCTACAATCGTTGTGAGTTGGCCAGAATTCTGAAAAGGAATGGAATGGATGG
 CTACCGTGGTGTCAAGCTGGCTGACTGGGTGTGTTTAGCTCAGCATGAGAGCAATTATAACACACGAGCT
 ACAAACACAACCGTGGAGACCGAAGCACCAGCTATGGGATATTTAGATCAATAGCCGATACTGGTGTA
 ATGATGGCAAACCCCAAGATCTAAGAATGCCTGTGGGATCAATTGCAAGTCTGCTGACAGGATGACAT
 CACTGCAGCCATAACAATGTGCAAAGAGGGTGGTGAAGATCCCCAAGGCATTCGAGCATGGGTGGCATGG
 CGAACACAATGTCAAACCGAGATCTGTCCAGTATATTCGGAAGTGGGAGTCTGACCGCGGTGTGCTT
 CTACTGCAGCCATTCTGTCTTTTCTCACTGTAGGAGTAGATATGAGAGAGGTACACTTCCTCGCTTT
 CCCCTCCAAGTAACAGGACTTCAGCAGAAACAGGGCAAAACAGACTTCCTCCTACAAGCTTCAGCTG
 ATGCTGTGTTGTGCAAAGTCTCCCTTGTGAGTCAGCAAAGCCATGGATGCTGGTGACAGTCAGCCAACAC
 AGTGATTGCCACACAGACATCTCTGTAGGTCAGTTCTTCAGCCAGGAAGTGATTCACATTGACTTCATT
 GGAATTCATCTTAATCAGACCTGTGTGAATAAAAAACAAGAAGTGTATAGGAGACCAGTTGATCTTG
 GGAAAACAGCAGTTGTGTGAGCTGCAGGGCTTTGTGAGTCCCAGCACCCAGTTAGAACAGCCTCTGTGG
 TGGGCCGGGAGGGTTTCTGAGGGCACAGGAATCTCAGTGGATGAGAACTGAGATTGTCTGAACTCAGAAA
 CTTATCAGGGAACCTGTGACCTGTCTTTCTTAGAGCTGCCCTTTCATCTTGCTTAAAAATAAATTCTC
 AGCTCATGTGTGAGTCTGTTTAAACCTTGAGAGGATGTTCCAGTGTGATGAGGCATTGAGGAGGACTAG
 TGAGCTGTGCCTGCTGATCTTTCTTAAGTTCCTTTCATCATACTAACTCTGAGACAGAAGAGCTTGTA
 CCAGCCAATAACCACAGGAGCAAATCTAATCTCACAGTGAAAAAGTACAAATGGCATTAAATGATTTTCA
 ATGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Sfil-Sfil
ACCN: NM_013590
Insert Size: 447 bp



[View online »](#)

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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: [BC061129](#), [AAH61129](#)

RefSeq Size: 1294 bp

RefSeq ORF: 447 bp

Locus ID: 17110

UniProt ID: [P17897](#)

Cytogenetics: 10 D2

Gene Summary: Lysozymes have primarily a bacteriolytic function; those in tissues and body fluids are associated with the monocyte-macrophage system and enhance the activity of immunoagents. Lyz1 is active against a range of Gram-positive and Gram-negative bacteria. Less effective than Lyz2 in killing Gram-negative bacteria. Lyz1 and Lyz2 are equally effective in killing Gram-positive bacteria.[UniProtKB/Swiss-Prot Function]