

Product datasheet for **MC200370**

Lyz2 (NM_017372) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lyz2 (NM_017372) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lyz2
Synonyms:	AI326280; Lys; Lysm; Lyzf2; Lyzs; Lzm; Lzm-s1; Lzp
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC002069 sequence for NM_017372 GCTGACCCAGCCTCCAGTCACCATGAAGACTCTCCTGACTCTGGGACTCCTCCTGCTTTCTGTCACTGCT CAGGCCAAGGTCTATGAACGTTGTGAGTTTCCAGAACTCTGAAAAGGAATGGAATGGCTGGCTACTATG GAGTCAGCCTGGCCGACTGGGTGTGTTTAGCTCAGCACGAGAGCAATTATAACACACGAGCTACAACTA CAACCGTGGAGACCAAAGCACTGACTATGGGATATTTAGATCAATAGCCGATACTGGTGTAAATGATGGC AAAACCCCAAGAGCTGTGAATGCCTGTGGGATCAATTGCAGTGCTCTGCTGCAGGATGACATCACTGCAG CCATACAATGTGCAAAGAGGGTGGTGAGAGATCCCAAGGCATTCGAGCATGGGTGGCATGGCGAGCACA CTGTCAAACCGAGATCTGTCCCAGTATATTCCGAACTGCGGAGTCTGACCGGGTGTGCTTCTACTGCA GCTCATTCCGGTCTTTTCTCACTGTAGGAGTAGATATGAGAGAGGTCACATTCCTCGATTTCCCTCTA AGTCACAGGACTTCAGCAGAAACAGGGCAAACAGAGACTTCCTCCTCACAAGCTTCAGCTGATGCTGTG TTGTGCAAAGTCTCCCTTGTGAGTCAGCACAGCCCTGGACGCTGGTGACAGTCAGCCAACACAATGATCA CCACACAGACACCTCTGTAGGTCAGTTCTTCAGCCAGGAAGTGATTCACATTGAGTTCATTGGAATTCA TCTTAATCAGACCTGTGTGAATAAAAAACAAGAACTGCTTATAGGAGACCAGTTGATCTTGGGAAACAG CAGTCGTGTGAGCTGCAGGGCTTTGTGAGTCCCAGCACCCAGTTAGAACAGCCTCTGTGGTGGGCCGGG AAGGTTTCTGAGGGCACAGGAGTCTCAGTGGATGAGAAGTGAATGCTGAACTCAGAACTTATCAGG GAACCCGTGACCTGTCTTTCTTAGAGCTGCCCTTTTCTGCTTAAAAATAAATTCTCAGCTCATGT GTCAGTCTGTTTAAACCTTGAGAGGATGTTCCAGTGTACAGGAGCATTGAGGAGCGACTAGTGAGCTGT GCCTGTCTGATCTTTCTTAAGTTCCTTCACTCACTAACTCTGAGACAGATGAGCCTGTATCAGCAA TAACCACAGGAGCAAATCTAATCTCATAGTGAAAAAGTACAAATGGCATTAAATCATTTCATGCAAAA AAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_017372
Insert Size:	447 bp



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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:	<ol style="list-style-type: none">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:	BC002069 , AAH02069
RefSeq Size:	1271 bp
RefSeq ORF:	447 bp
Locus ID:	17105
UniProt ID:	P08905
Cytogenetics:	10 65.34 cM
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. Lyz2 is active against a range of Gram-positive and Gram-negative bacteria. More effective than Lyz1 in killing Gram-negative bacteria. Lyz1 and Lyz2 are equally effective in killing Gram-positive bacteria.[UniProtKB/Swiss-Prot Function]