

Product datasheet for **RN214188**

Lyc2 (NM_001128494) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lyc2 (NM_001128494) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lyc2
Synonyms:	Lyz2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN214188 representing NM_001128494 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAAGGCTCTCCTAGTTCTGGGGTTCCTCCTGCTCTCTGCCTCTGTCCAGGCCAAGGTCTTTAAACACT
GTGAGTTGGCCAGAATTCTGAGAAAGTTCTGCACTAGCAGGCTATCGTGGAGTCAGCCTGGAAAAGTGGAT
GTGTATGGCTCAGCATGAGAGTAATTTTGATACAGAAGCTATAAACTCAACTCTACTGACCAAAGCACC
GACTATGGGATATTTAGATCAATAGCCGATACTGGTGAATGATGGCAAAACCCCAAGAGCAGTGAACG
CCTGTGGGATACCCTGCAGCGGAGCGTTCTGCACACTCAGCTGTAGTCACCGAGAAGAGTTCGAAACACC
AGCAAAGGAGAGACATTCTCAGCCTGGGCACTGCGAGCATCCACTTAAGTGAAGCCTTTGGGAAACGCT
CCTGCGGAATGTCAATCCTGCTGTCCATACATCTCTGCTGCAGGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001128494
Insert Size:	468 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).


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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:	<u>NM_001128494.1, NP_001121966.1</u>
RefSeq Size:	1601 bp
RefSeq ORF:	468 bp
Locus ID:	688047
Cytogenetics:	7q22
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. In the intestine they may also have a digestive function.[UniProtKB/Swiss-Prot Function]