

## Product datasheet for SC316166

### LYPD8 (NM\_001085474) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LYPD8 (NM_001085474) Human Untagged Clone
Tag:	Tag Free
Symbol:	LYPD8
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	<p>&gt;NCBI ORF sequence for NM_001085474, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGAAGGGCATCCTCGTTGCTGGTATCACTGCAGTGCTTGTTCAGCTGTAGAATCTCTG AGCTGCGTGCAAGTGAATTCATGGGAAAAATCCTGTGTCAACAGCATTGCCTCTGAATGT CCCTCACATGCCAACACCAGCTGTATCAGCTCCTCAGCCAGCTCCTCTCTAGAGACACCA GTCAGATTATACCAGAATATGTTCTGCTCAGCGGAGAACTGCAGTGAGGAGACACACATT ACAGCCTTCACTGTCCACGTGTCTGCTGAAGAACACTTTTCATTTTGAAGCCAGTGCTGC CAAGGAAAGGAATGCAGCAACACCAGCGATGCCCTGGACCCTCCCCTGAAGAACGTGTCC AGCAACGCAGAGTGCCCTGCTTGTATGAATCTAATGGAACCTCCTGTCGTGGGAAGCCC TGGAAATGCTATGAAGAAGAACAGTGTGTCTTTCTAGTTGCAGAACTTAAGAATGACATT GAGTCTAAGAGTCTCGTGCTGAAAGGCTGTTCCAACGTCAAGTAAACGCCACCTGTCAAGTTC CTGTCTGGTGAACAAAGACTCTTGAGGAGTCACTTTTCGAAAGTTTGAGTGTGCAAAAT GTAAACAGCTTAACCCCAAGTCTGCACCAACCACTTCCACAACGTGGGCTCCAAAGCT TCCCTCTACCTCTTGGCCCTTGCCAGCCTCCTTCTCGGGGACTGCTGCCC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001085474
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).


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**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:** [NM\\_001085474.1](#), [NP\\_001078943.1](#)

**RefSeq Size:** 1205 bp

**RefSeq ORF:** 714 bp

**Locus ID:** 646627

**UniProt ID:** [Q6UX82](#)

**Cytogenetics:** 1q44

**Gene Summary:** Secreted protein specifically required to prevent invasion of Gram-negative bacteria in the inner mucus layer of the colon epithelium, a portion of the large intestine which is free of commensal microbiota. Prevents invasion of flagellated microbiota by binding to the flagellum of bacteria, such as *P.mirabilis*, thereby inhibiting bacterial motility in the intestinal lumen. Segregation of intestinal bacteria and epithelial cells in the colon is required to preserve intestinal homeostasis.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.