

Product datasheet for SC334705

LYPD8 (NM_001291283) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LYPD8 (NM_001291283) Human Untagged Clone
Tag:	Tag Free
Symbol:	LYPD8
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001291283, the custom clone sequence may differ by one or more nucleotides

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ATGAAGGGCATCCTCGTTGCTGGTATCACTGCAGTGCTTGTTCAGCTGTAGAATCTCTGAGCTGCGTGC
AGTGTAAATTCATGGGAAAAATCCTGTGTCAACAGCATTGCCTCTGAATGTCCCTCACATGCCAACACCAG
CTGTATCAGCTCCTCAGCCAGCTCCTCTCTAGAGACACCAGTCAGATTATACCAGAATATGTTCTGCTCA
GCGGAGAACTGCAGTGAGGAGACACACATTACAGCCTTCACTGTCCACGTGTCTGCTGAAGAACAATTTT
ATTTTGTAAAGCCAGTGCTGCCAAGGAAAGGAATGCAGCAACACCAGCGATGCCCTGGACCCTCCCCTGAA
GAACGTGTCCAGCAACGCAGAGTGCCCTGCTTGTATGAATCTAATGGAACCTCCTGTCTGTTGGGAAGCCC
TGGAAATGCTATGAAGAAGAACAGTGCTGCTTTCTAGTTGCAGAACTTAAGAATGACATTGAGTCTAAGA
GTCTCGTGCTGAAAGGCTGTTCCAACGTCAGTAACGCCACCTGTCAGTTCCTGTCTGGTGAACAAGAC
TCTTGAGGAGTCATCTTTCGAAAGTTTGAGTGTGCAATGTAACAGCTTAACCCACGCTCTGCACCA
ACCACTTCCACAACGTGGGCTCCAAAGCTTCCCTCTACCTCTTGGCCCTTGCCAGCCTCCTTCTCGGG
GACTGCTGCCCTGA
  
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001291283
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).


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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_001291283.1](#), [NP_001278212.1](#)

RefSeq Size: 1057 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 (2) differs in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same protein.