

Product datasheet for **RC224218L3V**

LYPD8 (NM_001085474) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	LYPD8 (NM_001085474) Human Tagged ORF Clone Lentiviral Particle
Symbol:	LYPD8
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001085474
ORF Size:	711 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224218).
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001085474.1 , NP_001078943.1
RefSeq Size:	1205 bp
RefSeq ORF:	714 bp
Locus ID:	646627
UniProt ID:	Q6UX82
Cytogenetics:	1q44
MW:	25.1 kDa


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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]