

Product datasheet for **MC208918**

Ly96 (NM_001159711) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ly96 (NM_001159711) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ly96
Synonyms: ESOP-1; MD-2; MD2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208918 representing NM_001159711
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTGCCATTTATTCTCTTTTCGACGCTGCTTTCTCCCATATTGACTGAATCTGAGAAGCAACAGTGGT
TCTGCAACTCCTCCGATGCAATTATTTCTACAGTTATTGTGATCACTTCAAATTCCTATTTCAATTAG
TTCTGAACCTGCATAAGACTGAGGGGAACCAATGGATTGTGCATGTTGAGTTCATTCCAAAGTTGCCG
AAGCGTAAGGAAGTTCTGTGCCATGGACATGATGACTATTCTTTTTGCAGAGCTCTGAAAGGAGAGA
CTGTGAATACATCAATACCATTCTTTTCGAGGGAATACTATTTCTAAGGGCCATTACAGATGTGTTGC
AGAAGCTATTGCTGGGATACTGAAGAAAAGCTTCTGTTTGAATTTACCATCATTACCGCCGTGAT
GTCAATTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001159711

Insert Size: 429 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_001159711.1, NP_001153183.1</u>
RefSeq Size:	549 bp
RefSeq ORF:	429 bp
Locus ID:	17087
UniProt ID:	<u>Q9JHF9</u>
Cytogenetics:	1 A3
Gene Summary:	<p>Binds bacterial lipopolysaccharide (LPS) (PubMed:22532668). Cooperates with TLR4 in the innate immune response to bacterial lipopolysaccharide (LPS), and with TLR2 in the response to cell wall components from Gram-positive and Gram-negative bacteria. Enhances TLR4-dependent activation of NF-kappa-B. Cells expressing both LY96 and TLR4, but not TLR4 alone, respond to LPS (PubMed:10725698).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (B) has the same N- and C-termini but is shorter compared to isoform A.</p>