

Product datasheet for MC208917

Ly96 (NM_016923) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ly96 (NM_016923) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ly96
Synonyms:	ESOP-1; MD-2; MD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208917 representing NM_016923 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGCCATTTATTCTCTTTTCGACGCTGCTTTCTCCCATATTGACTGAATCTGAGAAGCAACAGTGGT
TCTGCAACTCCTCCGATGCAATTATTTCTACAGTTATTGTGATCACTTGAAATTCCTATTTCAATTAG
TTCTGAACCCTGCATAAGACTGAGGGGAACCAATGGATTTGTGCATGTTGAGTTCATTCCAAGGAAAC
TAAAAATATTTATATTTCAACCTATTCATCAGTGTCAACTCCATAGAGTTGCCGAAGCGTAAGGAAGTTC
TGTGCCATGGACATGATGATGACTATTCTTTTGCAGAGCTCTGAAAGGAGAGACTGTGAATACATCAAT
ACCATTCTCTTTGAGGGAATACTATTTCTAAGGCCATTACAGATGTGTTGCAGAAGCTATTGCTGGG
GATACTGAAGAAAAGCTTCTGTTTGAATTTACCATCATTACCGCCGTGATGTCAATT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_016923
Insert Size:	483 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_016923.2</u> , <u>NP_058619.1</u>
RefSeq Size:	603 bp
RefSeq ORF:	483 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 (1) represents the longer transcript and encodes the longer isoform (A).</p>