

## Product datasheet for RC229682

### MYD88 (NM\_001172569) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MYD88 (NM\_001172569) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** MYD88  
**Synonyms:** IMD68; MYD88D  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC229682 representing NM\_001172569  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGACCCGACCGCTGAGGCTCCAGGACCGCCGCCATGGCTGCAGGAGGTCCCGCGCGGGTCTG  
CGGCCCGGTCTCTCCACATCTCCCTCCCTGGCTGCTCAACATGCGAGTGCAGCGCCGCTGTC  
TCTGTTCTTGAACGTGCGGACACAGGTGGCGCCGACTGGACCGCTGGCGGAGGAGATGGACTTGGAG  
TACTTGGAGATCCGGCACTGGAGACACAAGCGGACCCCACTGGCAGGCTGCTGGACGCTGGCAGGGAC  
GCCCTGGCGCTCTGTAGCCGACTGCTCGAGTGCTTACCAAGCTGGCCGCGACGACGCTGCTGCTGGA  
GCTGGGACCCAGCATTGAGGAGGATTGCCAAAAGTATATCTTGAAGCAGCAGCAGGAGGAGCTGAGAAG  
CCTTTACAGGTGGCCGCTGTAGACAGCAGTGTCACCGGACAGCAGAGCTGGCGGCATCACCACACTTG  
ATGACCCCTGGGTGCCCGGATGGTGGTGGTGTCTCTGATGATTACCTGCAGAGCAAGGAATGTGAC  
TTCAGACCAAATTTGCACTCAGCCTCTCCAGGTGCCATCAGAAGCGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC229682 representing NM\_001172569  
Red=Cloning site Green=Tags(s)

MRPDRAEAPGPPAMAAGPGAGSAAPVSSSTSLPLAALNMRVRRRLSLFLNVRTQVAADWTALAEEMDFE  
YLEIRQLETQADPTGRLLDAWQGRPGASVGRLLLELLTKLGRDDVLELGPSTIEDCQKYILKQQEEAEK  
PLQVAAYDSSVPRTAELAGITTLDDPLGAAGWWL SLMITCRARNVTSRPNLHSASLQVPIRSD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**



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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001172569

**ORF Size:** 612 bp

**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.

**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:**
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\\_001172569.1](#), [NP\\_001166040.1](#)

**RefSeq ORF:** 576 bp

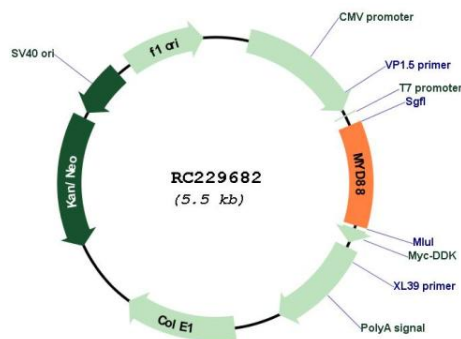
**Locus ID:** 4615

**UniProt ID:** [Q99836](#)

**Cytogenetics:** 3p22.2

Protein Families:	Druggable Genome
Protein Pathways:	Apoptosis, Toll-like receptor signaling pathway
MW:	22.6 kDa
Gene Summary:	This gene encodes a cytosolic adapter protein that plays a central role in the innate and adaptive immune response. This protein functions as an essential signal transducer in the interleukin-1 and Toll-like receptor signaling pathways. These pathways regulate that activation of numerous proinflammatory genes. The encoded protein consists of an N-terminal death domain and a C-terminal Toll-interleukin1 receptor domain. Patients with defects in this gene have an increased susceptibility to pyogenic bacterial infections. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2010]

### Product images:



Circular map for RC229682