

## Recombinant Human MYD88

**Cat. No.** MYD88-29151TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment corresponding to amino acids 31-130 of Human MyD88 with an N terminal proprietary tag; Predicted MWt 36.63 kDa inclusive of tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	100 amino acids
<b>Description</b>	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.
<b>Molecular Weight</b>	36.630kDa inclusive of tags
<b>Tissue specificity</b>	Ubiquitous.
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification

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<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	RRLSLFLNVRTQVAADWTALAEEMDFEYLEIRQLETQADPTGRLLDAWQGRPGASV GRLELLTKLGRDDVLLELGPSIEEDCQKYILKQQQEEAEKPLQ
<b>Sequence Similarities</b>	Contains 1 death domain. Contains 1 TIR domain.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">MYD88 myeloid differentiation primary response gene (88) [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">MYD88</a>
<b>Synonyms</b>	MYD88; myeloid differentiation primary response gene (88); myeloid differentiation primary response protein MyD88;
<b>Gene ID</b>	<a href="#">4615</a>
<b>mRNA Refseq</b>	<a href="#">NM_001172566</a>
<b>Protein Refseq</b>	<a href="#">NP_001166037</a>
<b>MIM</b>	<a href="#">602170</a>
<b>Uniprot ID</b>	<a href="#">Q99836</a>
<b>Chromosome Location</b>	3p22

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**Pathway**

Activated TLR4 signalling, organism-specific biosystem; African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem;

**Function**

TIR domain binding; Toll binding; death receptor binding; identical protein binding; protein binding;

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