Recombinant Human MYD88

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

SPECIFICATION

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

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

GENE INFORMATION

Gene Name	MYD88 myeloid differentiation primary response gene (88) [Homo sapiens]
Official Symbol	MYD88
Synonyms	MYD88; myeloid differentiation primary response gene (88); myeloid differentiation primary response protein MyD88;
Gene ID	4615
mRNA Refseq	NM_001172566
Protein Refseq	NP_001166037
MIM	602170
Uniprot ID	Q99836
Chromosome Location	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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