

# Recombinant Human MYD88 Protein (M157-P296), His/GST tagged

Cat. No. MYD88-0072H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human 6His-GST-3C-Myd88(M157-P296 end) Protein was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	M157-P296
<b>Description</b>	Adapter protein involved in the Toll-like receptor and IL-1 receptor signaling pathway in the innate immune response. Acts via IRAK1, IRAK2, IRF7 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Increases IL-8 transcription. Involved in IL-18-mediated signaling pathway. Activates IRF1 resulting in its rapid migration into the nucleus to mediate an efficient induction of IFN-beta, NOS2/INOS, and IL12A genes. Upon TLR8 activation by GU-rich single-stranded RNA (GU-rich RNA) derived from viruses such as SARS-CoV-2, SARS-CoV and HIV-1, induces IL1B release through NLRP3 inflammasome activation. MyD88-mediated signaling in intestinal epithelial cells is crucial for maintenance of gut homeostasis and controls the expression of the antimicrobial lectin REG3G in the small intestine.
<b>Form</b>	Liquid
<b>Endotoxin</b>	< 0.01 EU per

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	µg of the protein
<b>Purity</b>	90%
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Supplied as sterile 50mM Tris-HCl (pH 7.5), 200mM NaCl, 20% glycerol
<b>Shipping</b>	It is shipped out with blue ice.

## GENE INFORMATION

<b>Gene Name</b>	MYD88 myeloid differentiation primary response gene (88) [ Homo sapiens (human) ]
<b>Official Symbol</b>	MYD88
<b>Synonyms</b>	MYD88; myeloid differentiation primary response gene (88); myeloid differentiation primary response protein MyD88; MYD88D;
<b>Gene ID</b>	4615
<b>mRNA Refseq</b>	NM_001172566
<b>Protein Refseq</b>	NP_001166037
<b>MIM</b>	602170

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UniProt ID

Q99836

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