

Recombinant Human MYD88, His-tagged

Cat. No. MYD88-7112H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human MYD88 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-309aa
Description	Myeloid differentiation primary response gene 88, also known as MYD88, acts via IRAK1, IRAK2, IRF7 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. This protein increases IL-8 transcription. It is involved in IL-18-mediated signaling pathway. MYD88 activates IRF1 resulting in its rapid migration into the nucleus to mediate an efficient induction of IFN-beta, NOS2/INOS, and IL12A genes.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Molecular Mass	38.7kDa (345aa)
AA Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMRPD RAEAPGPPAM AAGGPGAGSA APVSSTSSLP LAALNMRVRR RLSLFLNVRT QVAADWTALA EEMDFEYLEI RQLETQADPT GRLLDAWQGR PGASVGRLL ELLTKLGRDDV LLELGPSIEE DCQKYILKQQ QEEAEKPLQV AAVDSSVPRT AELAGITTL D DPLGHMPERF DAFICYCPSD IQFVQEMIRQ LEQTNYRLKL CVSDRDVLP G

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TCVWSIASSEL IEKRCRRMVV VVSDDYLQSK ECDFQTKFAL SLSPGAHQKR
 LIPIKYKAMK KEFPSILRFI TVCDYTNPCT KSWFWTRLAK ALSLP

Purity >90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml

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; MYD88D;

Gene ID [4615](#)

mRNA Refseq [NM_001172566](#)

Protein Refseq [NP_001166037](#)

MIM [602170](#)

UniProt ID [Q99836](#)

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Chromosome Location	3p22
Pathway	Activated TLR4 signalling, organism-specific biosystem; African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem;
Function	TIR domain binding; Toll binding; death receptor binding; identical protein binding; protein binding;

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