

Recombinant human MyD88 protein

Catalog Number: ATGP1894

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-309aa

UniProt No.

Q99836

NCBI Accession No.

NP_002459.2

Alternative Names

Myeloid differentiation primary response protein MyD88, MYD88D

PRODUCT SPECIFICATION

Molecular Weight

38.7 kDa (345aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human MYD88 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS>MRPD RAEAPGPPAM AAGGPGAGSA APVSSTSSLP
LAALNMRVRR RLSLFLNVRT QVAADWTALA EEMDFEYLEI RQLETQADPT GRLLDAWQGR PGASVGRLL LTKLGRDDV
LLELGPSIEE DCQKYILKQQ QEEAEKPLQV AAVDSSVPRT AELAGITTL DPLGHMPERF DAFICYCPSD IQFVQEMIRQ
LEQTNYRLKL CVSDRDVLP TCVWSIASL IEKRCRRMVV VVSDDYLQSK ECDFQTKFAL SLSPGAHQKR LIPIKYKAMK
KEFPSILRFI TVCDYTNPCT KSWFWTRLAK ALSLP

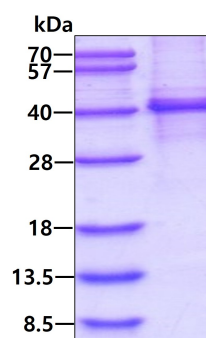
General References

Kawai T., et al. (2004) Nat. Immunol. A. 5:1061-1068

Semaan N., et al. (2008) J. Immunol. 180:3485-3491

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.