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AR50718PU-N Human MYD88 (1-309, His-tag) - Purified

Alternate names: Myeloid differentiation primary response protein MyD88

Quantity: 0.5 mg

Concentration: 1 mg/ml (determined by Bradford assay)

Background: 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.

Uniprot ID: Q99836

NCBI: NP_002459

GeneID: 4615

Species: Human

Source: E. coli

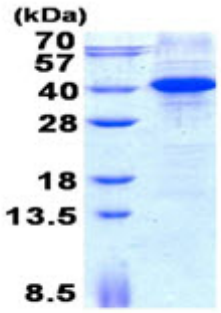
Format:
State: Liquid purified protein
Purity: >90% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Description: Recombinant human MYD88 protein, fused to His-tag at N-terminus, was expressed in E.coli.
AA Sequence:
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMRPD RAEAPGPPAM AAGGPGAGSA
APVSSTSSLP LAALNMRVRR RLSLFLNVRT QVAADWTALA EEMDFEYLEI RQLETQADPT
GRLLDAWQGR PGASVGRLLE LLTKLGRDDV LLELGPSIEE DCQKYILKQQ QEEAEKPLQV
AAVDSSVPRT AELAGITTLD DPLGHMPERF DAFICYCPSD IQFVQEMIRQ LEQTNYRLKL
CVSDRDVLPG TCVWSIASEL IEKRCRRMVV VVSDDYLQSK ECDFQTKFAL SLSPGAHQKR
LIPIKYKAMK KEFPSILRFI TVCDYTNPCT KSWFWTRLAK ALSLP
Molecular weight: 38.7 kDa (345aa)

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings: Kawai T., et al. (2004) Nat. Immunol A. 5:1061-1068Semaan N., et al. (2008) J. Immunol. 180:3485-3491

Pictures:



15% SDS-PAGE (3ug)