9051 Mira Mesa Blvd, #910094
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Tel: 760-390-3989

MYD88 Human

Myeloid Differentiation Primary Response 88 Human Recombinant
RCP1425

Product Overview

Name	MYD88 Human
Description	
Myeloid Differentiation Primary Response 88 Human Recombinant	
Accession (Primary)	Q99836
Synonyms	
Myeloid differentiation primary response protein MyD88, MYD88, MYD88D.	
Introduction	
Myeloid differentiation primary response gene 88 (MYD88) is a cytosolic adapter protein, which has a central role in the innate and adaptive immune response. MYD88 functions as a vital signal transducer in the interleukin-1 and Toll-like receptor signaling pathways. MYD88 acts via IRAK1, IRAK2, IRF7 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. The MYD88 protein increases IL-8 transcription. MYD88 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. MYD88 is comprised of an N-terminal death domain and a C-terminal Toll-interleukin1 receptor domain. Patients with defects in the MYD88 gene have an increased susceptibility to pyogenic bacterial infections.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
MYD88 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS MRPD RAEAPGPPAM AAGGPGAGSA APVSSTSSLP	

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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.

Precautions

MYD88 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q99836)