

## Product datasheet for PH302253

### MYD88 (NM\_002468) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MYD88 MS Standard C13 and N15-labeled recombinant protein (NP_002459)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202253
Predicted MW:	33.2 kDa
Protein Sequence:	>RC202253 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MAAGPGAGSAAPVSSTSSLPLAALNMRVRRRLSLFLNVRTQVAADWTALAEEMDFEYLEIRQLETQADP TGRLLDAWQGRPGASVGRLELLTKLGRDDVLELGPSEEDCQKYILKQQEEAEKPLQVAADVSSVPR TAELAGITTLDDPLGHMPERFDFICYCPSDIQFVQEMIRQLEQTNYRLKLCVSDRDVLPGTCVWSIASE LIEKRCRRMVVVSDDYLSKECDFQTKFALSLSPGAHQKRLIPIKYKAMKKEFPSILRFITVCDYTNPC TKSWFWTRLAKALSLP  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_002459</a>
RefSeq Size:	2862
RefSeq ORF:	888
Synonyms:	IMD68; MYD88D
Locus ID:	4615



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UniProt ID: [Q99836](#), [A0A0A0MS70](#)

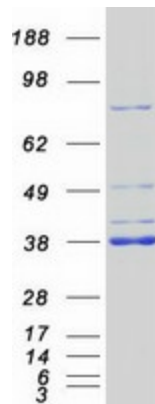
Cytogenetics: 3p22.2

**Summary:** This gene encodes a cytosolic adapter protein that plays a central role in the innate and adaptive immune response. This protein functions as an essential signal transducer in the interleukin-1 and Toll-like receptor signaling pathways. These pathways regulate that activation of numerous proinflammatory genes. The encoded protein consists of an N-terminal death domain and a C-terminal Toll-interleukin1 receptor domain. Patients with defects in this gene have an increased susceptibility to pyogenic bacterial infections. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2010]

**Protein Families:** Druggable Genome

**Protein Pathways:** Apoptosis, Toll-like receptor signaling pathway

### Product images:



Coomassie blue staining of purified MYD88 protein (Cat# [TP302253]). The protein was produced from HEK293T cells transfected with MYD88 cDNA clone (Cat# [RC202253]) using MegaTran 2.0 (Cat# [TT210002]).