



**PROMETHEUS® NOD2/CARD15**  
**Cat. #6000**

## Product Description

PROMETHEUS® NOD2/CARD15 is a genetic profile designed to detect three primary mutations associated with the down-regulation of the body's immune response to chronic inflammation in Crohn's disease. Detection of one or more of these mutations suggests likelihood for an earlier age of onset, small bowel stricturing, and an elevated association with fibrostenosing disease associated with Crohn's disease. The utility of this profile is to help physicians establish a prognosis which may guide therapeutic decisions for Crohn's patients.

- An evaluation of NOD2/CARD15 genetic variant associated with a more severe prognosis for patients with Crohn's disease.
- PROMETHEUS NOD2/CARD15 is only offered at Prometheus
- **Specimen Requirements** - Whole blood, 5.0 mL: EDTA / Lavender Top Tube.
- **Shipping and Handling** - Ambient or refrigerated.
- **Storage Conditions/Stability** - 7 days ambient; 30 days refrigerated.
- **Turn Around Time** - 7 business days from date of receipt.
- **Reference Range:**
  - R702W [C2104T]: No Mutation Detected-Homozygous Wild Type
  - G908R [G2722C]: No Mutation Detected-Homozygous Wild Type
  - 1007fs [3020insC]: No Mutation Detected-Homozygous Wild Type

## Facilities Description

This test was developed and its performance characteristics determined by Prometheus Laboratories Inc. It has not been cleared or approved by the U.S. Food and Drug Administration. Prometheus Laboratories Inc. is a CAP-accredited CLIA laboratory.

## CPT Codes (as applied by Prometheus)

- **83907**, Lysis of cells prior to nucleic acid extraction
- **83896(X6)**, Nucleic acid probe, each DNA marker
- **83898(X3)**, Amplification of patient nucleic acid, each DNA marker
- **83912**, Interpretation and report

## Literature References

- Abreu MT, Taylor KD, Lin YC, et al. Mutations in NOD2 are Associated with Fibrostenosing Disease in Patients with Crohn's Disease. *Gastroenterology*. 2002;123(3):679-688.
- Lesage S, Zouali H, Cezard JP, et al. CARD15/NOD2 Mutational analysis and genotype-phenotype correlation in 612 patients with inflammatory bowel disease. *Am J Hum Genet*. 2002; 70(4):845-857.
- Judge T, Lichtenstein GR. The NOD2 gene and Crohn's disease; another triumph for molecular genetics. *Gastroenterology*. 2002;122(3):826-828.
- Ogura Y, Bonen DK, Inohara N, et al. A frameshift mutation in NOD2 associated with susceptibility to Crohn's disease. *Nature*. 2001;411(6837):603-606.
- Hugot JP, Chamaillard M, Zouali H, et al. Association of NOD2 leucine-rich repeat variants with susceptibility to Crohn's disease. *Nature*. 2001; 422(6837):599-603.