



THIS SHEET HAS BEEN
REPLACED

HELICOBACTER PYLORI PROTEINS
USEFUL FOR VACCINES AND DIAGNOSTICS

5

ABSTRACT OF THE DISCLOSURE

10 Helicobacter pylori is known to cause or be a
cofactor in type B gastritis, peptic ulcers, and gastric
tumors. In both developed and developing countries, a high
percentage of people are infected with this bacterium. The
15 present invention relates generally to certain H. pylori
proteins, to the genes which express these proteins, and to
the use of these proteins for diagnostic and vaccine
applications. Specifically, molecular cloning, nucleotide,
and amino acid sequences for the H. pylori cytotoxin (CT),
the "Cytotoxin Associated Immunodominant" (CAI) antigen, and
the heat shock protein (hsp60) are described herein.