

Gastrin is a peptide hormone that stimulates the secretion of gastric acid (HCl) by the parietal cells of the stomach and aids in gastric motility. It is released by G cells in the pyloric antrum of the stomach, duodenum, and the pancreas.

Gastrin binds to cholecystokinin B receptors to stimulate the release of histamines in enterochromaffin-like cells, and it induces the insertion of K<sup>+</sup>/H<sup>+</sup> ATPase pumps into the apical membrane of parietal cells (which in turn increases H<sup>+</sup> release into the stomach cavity). Its release is stimulated by peptides in the lumen of the stomach.

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