

## 32-2079: Secretin Protein

### Description

Secretin has a molecular formula of C<sub>130</sub>H<sub>220</sub>N<sub>44</sub>O<sub>41</sub>, a.a. sequence of H-His-Ser-Asp-Gly-Thr-Phe-Thr-Ser-Glu-Leu-Ser-Arg-Leu-Arg-Asp-Ser-Ala-Arg-Leu-Gln-Arg-Leu-Leu-Gln-Gly-Leu-Val-NH<sub>2</sub> and having a Mw of 3055.4 Dalton. Human Secretin stimulates the secretion of bicarbonate by the pancreas and inhibits the production of gastrin and acid production in the stomach. It also potentiates the release of digestive enzymes from the pancreas triggered by cholecystokinin.

### Product Info

<b>Amount :</b>	5 mg
<b>Purification :</b>	Greater than 98.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Content :</b>	The protein (1 mg/ml) was lyophilized with no additives.
<b>Storage condition :</b>	Lyophilized Secretin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Secretin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Application Note

It is recommended to reconstitute the lyophilized Secretin in sterile 18M $\Omega$ -cm H<sub>2</sub>O not less than 100  $\mu$ g/ml, which can then be further diluted to other aqueous solutions.

