

**Product:** Secretin, human  
**Catalog #:** 12-4238  
**Amount:** 500 µg

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**DESCRIPTION:** 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.  
Secretin has a molecular formula of  $C_{130}H_{220}N_{44}O_{40}$ , a.a. sequence of -His-Ser-Asp-Gly-Thr-Phe-Thr-Ser-Glu-Leu-Ser-Arg-Leu-Arg-Glu-Gly-Ala-Arg-Leu-Gln-Arg-Leu-Leu-Gln-Gly-Leu-Val-NH<sub>2</sub> and having a Mw of 3039.45.

**SOURCE:** Synthetic peptide  
**PURITY:** > 98%, as determined by:  
(a) Analysis by RP-HPLC and anion-exchange FPLC  
(b) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel

**ENDOTOXIN:** < 0.1 ng/µg (IEU/µg) of human Secretin  
**DIMERS & AGGREGATES:** < 1% as determined by silver stained SDS-PAGE gel analysis  
**PROTEIN CONTENT:** Protein quantitation was carried out by 2 independent methods:  
- UV spectroscopy at 280 nm  
- Analysis by RP-HPLC, using a standard solution of human Secretin as a Reference Standard

**APPLICATION:** Diagnosis of pancreatic dysfunction  
Diagnosis of the presence of a gastrinoma  
Autism - not yet approved applications

**FORM:** Purified, in 0.1 % BSA  
**STORAGE:** -20°C (aliquot), avoid freezing and thawing cycles

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