

Synthetic Human Secretin

Catalog No.	CRS501A CRS501B CRS501C	Quantity:	1.0 mg 5 mg 25 mg
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 $C_{130}H_{220}N_{44}O_{40}$ and having a MW of 3.03945 kDa.		
Source:	Synthetic		
Formulation:	Sterile Filtered White lyophilized (freeze-dried) powder. The protein (1 mg/ml) was lyophilized with no additives.		
Purity:	Greater than 99.0% as determined by: Analysis by RP-HPLC, anion-exchange FPLC, and analysis by reducing and non-reducing SDS-PAGE Silver Stained.		
Amino Acid Sequence:	-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 ₂		
Reconstitution:	It is recommended to reconstitute the lyophilized Human Secretin in sterile, distilled H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.		
Storage & Stability:	Lyophilized Human Secretin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Human 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). Avoid freeze-thaw cycles.		
Notes:	Applications: Diagnosis of pancreatic dysfunction. Diagnosis of the presence of a gastrinoma.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

