

Recombinant Human Secretin

Cat. No. SCT-347H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human SCT is a 3055.4 Dalton protein consisting of 27 amino acid polypeptide chains.
Species	Human
Source	Synthetic
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.
Molecular Weight	3055.4 Dalton
Form	Sterile filtered and lyophilized with no additives
Appearance	Lyophilized protein
Sequence	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 ₂
Reconstitution	Centrifuge the vial prior to opening. Reconstitute in sterile dW to a concentration ≥ 100 $\mu\text{g/ml}$. This solution can then be diluted into other aqueous buffers and stored at 4 °C for 2-7 days and at -20 °C for future use.
Purity	>98 % by SDS-PAGE and RP-HPLC analyses.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage The lyophilized protein is best-stored desiccated at -20°C. Reconstituted Antide should be stored in working aliquots at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HAS or BSA). Prevent freeze/thaw cycles.

Pathways Class B/2 (Secretin family receptors); G alpha (s) signalling events; GPCR downstream signaling; GPCR ligand binding; Glucagon-type ligand receptors; Signaling by GPCR

GENE INFORMATION

Gene Name	SCT secretin [Homo sapiens]
Official Symbol	SCT
Synonyms	SCT; secretin; OTTHUMP00000164437
Gene ID	6343
mRNA Refseq	NM_021920
Protein Refseq	NP_068739
MIM	182099
UniProt ID	P09683
Chromosome Location	11p15.5
Function	hormone activity

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