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GIP, 22-153aa, Human His tag, E.coli

产品货号: TP02243

第三版

别名:Gastric inhibitory polypeptide, Glucose-dependent insulinotropic polypeptide, Gastric Inhibitory Peptide

描述:GIP, also known as glucose-dependent insulinotropic polypeptide, is an important insulin-releasing hormone of the enteroinsular axis that has a functional profile of possible therapeutic value for type 2 diabetes. This protein is an important incretin hormone released into the circulation from endocrine K-cells of the duodenum and jejunum after ingestion of food¹. It was evaluated for their ability to elevate cellular cAMP production and stimulate insulin secretion. It also promotes plasma triglyceride clearance in response to oral fat loading. In liver, GIP has been shown to enhance insulin-dependent inhibition of glycogenolysis. Recombinant human GIP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

配方:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 50% glycerol 0.1M NaCl, 2mM DTT

分子量:17.3 kDa(155aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSEKKEGHFSALPSLPVGS HAKVSSPQPRGPRYAEGTFISDYSIAMDKIHQQDFVNWLL
AQKGGKNDWKHNITQREARALELAGQANRKEEEAVEPQSSPAKNPSDEDLLRDLLIQELLACLLDQTNLCRLRSR

纯度:> 95% by HPLC

浓度:0.25 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.