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PA1195XC OriGene EU

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Human Octreotide (Synthetic) - Purified

Catalog No.: PA1195XC

Quantity: 25 mg

Concentration: 1.0 mg/ml

Background: Octreotide acetate is a longer acting synthetic octapeptide analog of naturally occurring

somatostatin. It inhibits the secretion of gastro-entero-pancreatic peptide hormones and

the release of growth hormone.

Species: Human
Source: Synthetic

Format: State: Sterile Filtered White lyophilized (freeze-dried) powder.

Purity: >98% Greater than 98.0% as determined by:

(a) Analysis by RP-HPLC.(b) Anion-exchange FPLC.

(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

Buffer System: Octreotide was lyophilized from a concentrated solution with no additives. **Reconstitution:** It is recommended to reconstitute the lyophilized Octreotide in sterile $18M\Omega$ -cm H2O not less than $100\mu g/ml$, which can then be further diluted to other aqueous

solutions.

Description: Synthetic Human Octreotide is a single, non-glycosylated, polypeptide chain containing 8

amino acids, having a molecular formula of C49H66N10O10S2. Octreotide is purified by

proprietary chromatographic techniques.

AA Sequence:

The sequence was determined to be H-D-Phe-Cys-Phe-D-Trp-Lys-Thr-Cys-L-

threoninol.

Molecular weight: 1019.26 Dalton

Storage: Lyophilized Octreotide although stable at room temperature, should be stored desiccated

below 0°C. Reconstituted Octreotide is best stored refrigerated at 4°C. Please avoid freeze-

thaw cycles.

General Readings: 1. The role of octreotide versus placebo in the prevention of post-ERCP pancreatitis.

Hepatogastroenterology 2007 Jan-Feb;54(73):250-3

2. Octreotide for esophageal variceal bleeding treated with endoscopic sclerotherapy: a

randomized, placebo-controlled trial. Hepatogastroenterology 2007 Jan-

Feb;54(73):195-200

3. 68Ga-DOTA-Tyr3-octreotide PET in neuroendocrine tumors: comparison with somatostatin receptor scintigraphy and CT. J Nucl Med 2007 Apr;48(4):508-18

4. Octreotide inhibits hepatic cystogenesis in a rodent model of polycystic liver disease by reducing cholangiocyte adenosine 3',5'-cyclic monophosphate. Gastroenterology 2007

Mar;132(3):1104-16

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com

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- 5. Administration of octreotide for management of postoperative high-flow chylothorax. Ann Vasc Surg 2007 Jan;21(1):90-2
- 6. Octreotide LAR for severe obscure-overt gastrointestinal haemorrhage in high-risk patients on anticoagulation therapy. Gut 2007 Mar;56(3):447

