

Recombinant Human Plexin A2

Cat. No. PLXNA2-312H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Octreotide Human Synthetic is a single, non-glycosylated, polypeptide chain containing 8 amino acids, having a molecular mass of 1019.26 Dalton and a molecular formula of C ₄₉ H ₆₆ N ₁₀ O ₁₀ S ₂ . Octreotide is purified by proprietary chromatographic techniques.
Source	Human
Description	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.
Form	The Octreotide was lyophilized from a concentrated (1 mg/ml) solution with no additives.
Purity	Greater than 98.0% as determined by RP-HPLC.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Solubility	It is recommended to reconstitute the lyophilized Octreotide in sterile 18M μ -cm H ₂ O not less than 100 g/ml, which can then be further diluted to other aqueous solutions.
Amino acid sequence	H-D-Phe-Cys-Phe-D-Trp-Lys-Thr-Cys-L-threoninol.
Storage	Lyophilized Octreotide although stable at room temperature for 3 weeks, should be

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

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stored desiccated below -18°C. Upon reconstitution Octreotide 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). Please prevent freeze-thaw cycles.

Pathways

Axon guidance; CRMPs in Sema3A signaling; Other semaphorin interactions; SEMA3A-Plexin repulsion signaling by inhibiting Integrin adhesion; Sema3A PAK dependent Axon repulsion; Semaphorin interactions

GENE INFORMATION

Gene Name [PLXNA2 plexin A2 \[Homo sapiens \]](#)

Official Symbol [PLXNA2](#)

Synonyms [PLXNA2](#); [OCT](#); [PLXN2](#); [FLJ11751](#); [FLJ30634](#); [KIAA0463](#); [plexin-A2](#); [plexin 2](#); [OTTHUMP00000034732](#); [semaphorin receptor OCT](#); [transmembrane protein OCT](#); [plexin A2](#)

Gene ID [5362](#)

mRNA Refseq [NM_025179](#)

Protein Refseq [NP_079455](#)

MIM [601054](#)

UniProt ID [O75051](#)

Chromosome Location [1q32.2](#)

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Function

receptor activity; semaphorin receptor activity

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