



## pegvisomant

货号: K21931

### 生化机理:

Plays an important role in growth control. Its major role in stimulating body growth is to stimulate the liver and other tissues to secrete IGF1. It stimulates both the differentiation and proliferation of myoblasts. It also stimulates amino acid uptake and protein synthesis in muscle and other tissues. Circulating GH shows a great heterogeneity due to alternative splicing, differential post-translational modifications of monomeric forms, oligomerization, optional binding to 2 different GH-binding proteins, and potentially proteolytic processing.

### 产品介绍:

Pegvisomant is an approved drug (FDA (2003), EMA (2008))  
Comment:  
Pegvisomant is a PEGylated 191 amino acid protein analogue of growth hormone, with antagonist action at the growth hormone receptor. The peptide sequence can be obtained via the ChEMBL link. PEGylation protects the peptide from proteolytic breakdown and extends its bioactive half-life.  
Mechanism Of Action and Pharmacodynamic Effects Click here for help  
Pegvisomant inhibits the ability of endogenous growth hormone to interact with the growth hormone receptor, the aim of which is to normalize serum IGF-I levels in acromegalic patients].

### 表达系统:

E. coli

### 种属:

人(Human)

### 氨基酸:

27-217 aa

(H44D&H47N&G146K&R193N&K194A&D197S&K198R&E200S&I205T)



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**序列:**

FPTIPLSRLFDNAMLRADRLNQLAFDTYQEFEEAYIPKEQKYSFLQNPQTSL  
CFSESIPTPSNREETQQKSNLELLRISLLLIQSWLEPVQFLRSVFANSLVYGASDSN  
VYDLLKDLLEEKIQTLMGRLEDGSPRTGQIFKQTYSKFDTNSHNDDALLKNYGLL  
YCFNADMSRVSTFLRTVQCRSVEGSCGF

**来源:**

重组表达

**作用类型:**

拮抗剂

**作用机制:**

生长激素受体拮抗剂

**分子类型:**

蛋白质



源叶