

## Product datasheet

# Recombinant rat RANTES protein ab111466

### 概述

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产品名称	重组大鼠RANTES蛋白
蛋白长度	Full length protein

### 描述

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性质	Recombinant
来源	Escherichia coli

### 氨基酸序列

Accession	<a href="#">P50231</a>
种属	Rat
分子量	8 kDa
氨基酸	25 to 92

### 技术指标

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Our [Abpromise guarantee](#) covers the use of **ab111466** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

生物活性	Activity is determined by the ability to chemoattract total Human lymphocytes and Murine T-cells at a concentration between 1-10 ng/ml.
应用	SDS-PAGE HPLC
纯度	>= 97 % SDS-PAGE. Purity by SDS-PAGE and HPPLC is greater than 97%.
形式	Lyophilised

### 制备和贮存

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稳定性和存储	Shipped at 4°C. Store at -20°C.  This product is an active protein and may elicit a biological response in vivo, handle with caution.
复溶	It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/ml, which can be further diluted into other aqueous solutions.

## 常规信息

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<b>功能</b>	Chemoattractant for blood monocytes, memory T-helper cells and eosinophils. Causes the release of histamine from basophils and activates eosinophils. Binds to CCR1, CCR3, CCR4 and CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant RANTES protein induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). The processed form RANTES(3-68) acts as a natural chemotaxis inhibitor and is a more potent inhibitor of HIV-1-infection. The second processed form RANTES(4-68) exhibits reduced chemotactic and HIV-suppressive activity compared with RANTES(1-68) and RANTES(3-68) and is generated by an unidentified enzyme associated with monocytes and neutrophils.
<b>组织特异性</b>	T-cell and macrophage specific.
<b>序列相似性</b>	Belongs to the intercrine beta (chemokine CC) family.
<b>翻译后修饰</b>	N-terminal processed form RANTES(3-68) is produced by proteolytic cleavage, probably by DPP4, after secretion from peripheral blood leukocytes and cultured sarcoma cells. The identity of the O-linked saccharides at Ser-27 and Ser-28 are not reported in PubMed:1380064. They are assigned by similarity.
<b>细胞定位</b>	Secreted.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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