

# Recombinant human RANTES protein ab9680

## 1 References

### 製品の詳細

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| 製品名         | Recombinant human RANTES protein  |
| 精製度         | > 98 % SDS-PAGE.<br>Sterile filtered Greater than 98% pure by HPLC analyses. Endotoxin level is less than 0.1 ng per g (1EU/g). |
| 発現系         | Escherichia coli  |
| タンパク質長      | Full length protein   |
| Animal free | No  |
| 由来          | Recombinant   |
| 生物種         | Human   |
| 予測される分子量    | 10 kDa  |

### 特性

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Our **Abpromise guarantee** covers the use of **ab9680** in the following tested applications.

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

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| アプリケーション | Functional Studies<br>SDS-PAGE  |
| 製品の状態    | Lyophilized   |
| 備考       | The biological activity of this product is determined by its ability to chemoattract human blood monocytes using a concentration of 1.0-10.0 ng/ml. |

### 前処理および保存

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| 保存方法および安定性 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.<br><br>This product is an active protein and may elicit a biological response in vivo, handle with caution. |
| 再構成        | Please reconstitute in 200ul sterile water.  |

### 関連情報

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| <b>機能</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>組織特異性</b> | T-cell and macrophage specific.   |
| <b>配列類似性</b> | Belongs to the intercrine beta (chemokine CC) family.   |
| <b>翻訳後修飾</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>細胞内局在</b> | Secreted.   |

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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