

Product datasheet

Recombinant rat CXCL5 protein ab201400

Description

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| Product name | Recombinant rat CXCL5 protein |
| Biological activity | Fully biologically active when compared to standard. The ED ₅₀ determined by a chemotaxis bioassay using Human peripheral blood neutrophils is less than 100 ng/ml, corresponding to a specific activity of > 1.0 × 10 ⁴ IU/mg. |
| Purity | > 97 % SDS-PAGE. Purification is by SDS-PAGE and HPLC. |
| Expression system | Escherichia coli |
| Accession | <u>P97885</u> |
| Protein length | Full length protein |
| Animal free | No |
| Nature | Recombinant |
| Species | Rat |
| Sequence | APFSAMVATELRCVCLTLAPRINPKMIANLEVIPAGPHCPK VEVIAKLKN QKDNVCLDPQAPLIKVKVIQKILGSENKKTARNALALVRSAS TQ |
| Predicted molecular weight | 10 kDa |
| Additional sequence information | This product is for the mature full length protein. The signal peptide is not included. |

Specifications

Our **Abpromise guarantee** covers the use of **ab201400** 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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| Applications | SDS-PAGE Functional Studies HPLC |
| Form | Lyophilized |

Preparation and Storage

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| Stability and Storage | Shipped at 4°C. Store at -20°C long term. Avoid freeze / thaw cycle. |
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pH: 7.40

Lyophilized from a 0.2 µm filtered concentrated solution in 2 × PBS.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

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| Function | Involved in neutrophil activation. In vitro, ENA-78(8-78) and ENA-78(9-78) show a threefold higher chemotactic activity for neutrophil granulocytes. |
| Sequence similarities | Belongs to the intercrine alpha (chemokine CxC) family. |
| Post-translational modifications | N-terminal processed forms ENA-78(8-78) and ENA-78(9-78) are produced by proteolytic cleavage after secretion from peripheral blood monocytes. |
| Cellular localization | Secreted. |

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

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- Replacement or refund for products not performing as stated on the datasheet
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- We investigate all quality concerns to ensure our products perform to the highest standards

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