

## Recombinant Human IL-8 (77a.a.)(rHu IL-8/CXCL8)

Catalog No: #701082

Package Size: #701082-1 5ug #701082-2 100ug #701082-3 500ug

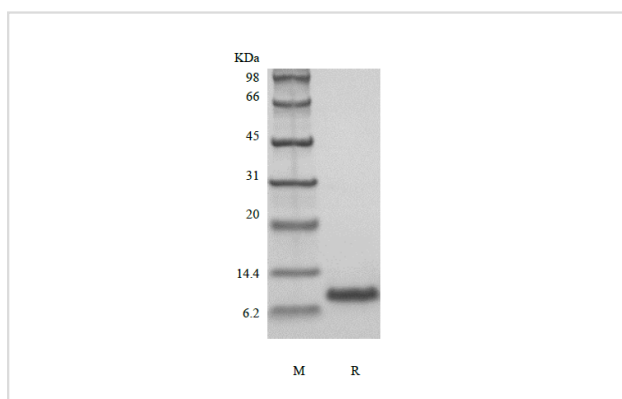
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## Description

|                   |  |
|-------------------|--|
| Product Name      | Recombinant Human IL-8 (77a.a.)(rHu IL-8/CXCL8)  |
| Brief Description | Recombinant Protein  |
| Host Species      | E.coli   |
| Purification      | > 96 % by SDS-PAGE and HPLC analyses.  |
| Target Name       | rHu IL-8 CXCL8   |
| Other Names       | CXCL 8, Emoctakin, GCP-1, MDNCF, MONAP, NAP-1, Protein 3-10C, T-cell chemotactic factor  |
| Accession No.     | accession:P10145 GenelD:3576   |
| Uniprot           | P10145   |
| GenelD            | 3576;  |
| Calculated MW     | Approximately 8.9 kDa, a singl   |
| Target Sequence   | AVLPRSAKEL RCQCIKTYSK PFHPKFIKEL RVIESGPHCA NTEIIVKLSL GRELCLDPKE NWWQRVVEKF<br>LKRAENS  |
| Formulation       | Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4;Sterile Filtered White lyophil   |
| Storage           | This lyophilized preparation is stable at 2-8 °C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -70 °C. Avoid repeated freeze thaw cycles. |

## Images



## Background

Interleukin-8 (IL-8) is encoded by the IL8 gene and produced by macrophages and other cell types such as epithelial cells. It is also synthesized by endothelial cells, which store IL-8 in their storage vesicles. There are many receptors capable to bind IL-8, the most affinity to IL-8 are receptors CXCR1, and CXCR2. As a member of the CXC chemokine family, function of IL-8 is the induction of chemotaxis in its target cells, like neutrophil granulocytes, basophils, and T-cells. IL-8 (72a.a.) has a 5-10fold higher activity on neutrophil activation, compared to IL-8 (77a.a.). IL-8 is often associated with inflammation, it has been cited as a proinflammatory mediator in gingivitis and psoriasis.

## References

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1. Modi WS, Dean M, Seuanez HN, et al. 1990. Hum Genet. 84:185-7.
2. Wolff B, Burns AR, Middleton J, et al. 1998. J Exp Med. 188:1757-62.
3. Utgaard JO, Jahnsen FL, Bakka A, et al. 1998. J Exp Med. 188:1751-6.
4. Van Damme J, Rampart M, Conings R, et al. 1990. Eur J Immunol. 20:2113-8.

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Note: This product is for in vitro research use only