

# Recombinant Human IL-8 protein(GST tag)

Catalog Number:PDEH100113



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

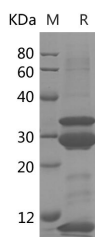
## Description

|                                    |   |
|------------------------------------|---|
| <b>Synonyms</b>                    | C-X-C motif chemokine 8;Chemokine (C-X-C motif) ligand 8;Emotakin;Granulocyte chemotactic protein 1;GCP-1;Monocyte-derived neutrophil chemotactic factor;MDNCF;Monocyte-derived neutrophil-activating peptide;MONAP;Neutrophil-activating protein 1;NAP-1;Protein 3-10C;T-cell chemotactic factor;GCP/IL-8 protein IV;IL8/NAP1 form I;(Ala-IL-8)77;GCP/IL-8 protein II;IL-8(1-77);IL8/NAP1 form II;MDNCF-b;(Ser-IL-8)72;GCP/IL-8 protein I;IL8/NAP1 form III;Lymphocyte-derived neutrophil-activating factor;LYNAP;MDNCF-c;Neutrophil-activating factor;NAF;GCP/IL-8 protein V;IL8/NAP1 form IV;GCP/IL-8 protein VI;IL8/NAP1 form V;GCP/IL-8 protein III;IL8/NAP1 form VI;IL8 |
| <b>Species</b>                     | Human   |
| <b>Expression Host</b>             | E.coli  |
| <b>Sequence</b>                    | Ser28-Ser99   |
| <b>Accession</b>                   | P10145  |
| <b>Calculated Molecular Weight</b> | 34.3 kDa  |
| <b>Observed molecular weight</b>   | 9 kDa&35 kDa  |
| <b>Tag</b>                         | N-GST   |

## Properties

|                       |   |
|-----------------------|---|
| <b>Purity</b>         | > 85 % as determined by reducing SDS-PAGE.  |
| <b>Endotoxin</b>      | Please contact us for more information.   |
| <b>Storage</b>        | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.   |
| <b>Formulation</b>    | Lyophilized from sterile PBS, pH 7.4.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual.           |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.  |

## Data



> 85 % as determined by reducing SDS-PAGE.

## Background

### For Research Use Only

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IL-8 is a chemotactic factor that attracts neutrophils, basophils, and T-cells, but not monocytes. It is also involved in neutrophil activation. It is released from several cell types in response to an inflammatory stimulus. IL-8(6-77) has a 5-10-fold higher activity on neutrophil activation, IL-8(5-77) has increased activity on neutrophil activation and IL-8(7-77) has a higher affinity to receptors CXCR1 and CXCR2 as compared to IL-8(1-77), respectively.

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