BOSTER BIOLOGICAL TECHNOLOGY
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# Mouse recombinant CXCL7 (40-113) (C-X-C motif chemokine 7) protein, AF

**Catalog Number:** PROTQ9EQI5

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## Overview

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|---|---|
| Product Name | Mouse recombinant CXCL7 (40-113) (C-X-C motif chemokine 7) protein, AF |
| Description | C-X-C motif chemokine 7 (CXCL7) also named Pro-Platelet basic protein (PPBP), which is a chemokine of the intercrine alpha family. CXCL7 is a 8.2 kDa protein containing 74 amino acid residues. CXCL7 is expressed by the platelets, which are activated. During vascular injury, CXCL7 controls the glucose metabolism, mitogenesis and neutrophil recruitment by the interaction with CXCR2. |
| Size | 5ug,20ug,100ug |
| Tag | His Tag (N-term) |
| Form | Lyophilized |
| Source | Escherichia coli |
| Formulation | The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us. |

## Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

## Purity

>98% as determined by SDS-PAGE.

### Molecular weight

The protein has a calculated MW of 8.93 kDa. The protein migrates below 11 kDa under reducing condition (SDS-PAGE analysis).

### Activity

Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2. The $ED_{50}$ for this effect is <1 ug/mL.

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### Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

### Amino Acid Sequence

KSDGMDPYIELRCRCTNTISGIPFNSISLVNVYRPGVHCADVEVIATLKNGQKTCLDPNAPGVKRIVMKILEGY with polyhistidine tag at the N-terminus.

### Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile $H_2O$ to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

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## Usage

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