

**Recombinant Human IL-36 $\beta$  (IL-1F8)**  
**Catalog # PBG10232****Specification**

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**Recombinant Human IL-36 $\beta$  (IL-1F8) - Product Information****Recombinant Human IL-36 $\beta$  (IL-1F8) - Additional Information****Description**

The IL-1 family is comprised of 11 structurally related ligands, including recently re-named IL-36 $\alpha$  (IL-1F6),  $\beta$  (IL-1F8) and  $\gamma$  (IL-1F9). IL-36 $\beta$  is highly expressed in psoriatic plaques, and at lower levels in various other tissues. IL-36 $\beta$  signals through the IL-1Rrp2 (IL-1R6) receptor, which is primarily expressed on certain dendritic cells. The interaction of the IL-1Rrp2 receptor with IL-36 ligands induces dendritic cell maturation and activation. IL-36 $\beta$  also functions as an agonist of NF-kappaB, and stimulates the production of pro-inflammatory proteins, including IL-6, IL-8, BD-2, and BD-3. Recombinant human IL-36 $\beta$  is a 17.3 kDa protein containing 154 amino acid residues.

**Biological Activity**

Measured by its ability to induce IL-8 production by human PBMCs.

**Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**

Endotoxin level is <0.1 ng/  $\mu$ g of protein (<1EU/  $\mu$ g).

**Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**

-20°C

**Precautions**

Recombinant Human IL-36 $\beta$  (IL-1F8) is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Human IL-36 $\beta$  (IL-1F8) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Recombinant Human IL-36 $\beta$ (IL-1F8) - Images**