

Recombinant Human IL36 β / Interleukin-36 beta,

Animal Free & Carrier Free

Cat #: C-CYP203

Size: 5 μ g, 20 μ g, 100 μ g, 500 μ g, 1mg

Shipping: Blue Ice

Product Overview

Interleukin-36 β (IL36 beta) is a pro-inflammatory cytokine that plays an important role in the pathophysiology of several diseases. IL36B has been reported to be expressed at higher levels in psoriatic plaques rather than symptomless psoriatic skin or healthy control skin. Furthermore, IL36B can stimulate production of IL6 and IL8 in synovial fibroblasts, articular chondrocytes and mature adipocytes. Human IL36B shares low sequence identity with IL1B, IL36RN, IL36A and IL36G.

Product Information

Source: *Escherichia Coli*.

Purity: >98% as determined by SDS-PAGE. Ni-NTA chromatography.

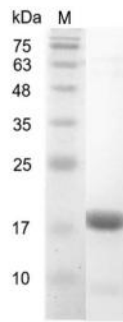
Biological Activity: Measure by its ability to induce IL-8 secretion in human PBMCs. The ED₅₀ for this effect is < 0.2 ng/mL

Endotoxin: <0.1 EU per 1 μ g of the protein by the LAL method.

Amino acid sequence:

MREAAPKSYAIRDSRQMVVWVLSGNSLIAAPLSRSIKPVTLHLIACRDTEFSDKEKGNMYYLGIKGKDLCLFCAEIQQKPTLQLKEKNIMDLYV
EKKAQKPFLFFHNKEGSTSVFQSVSYPGWFIATSTTSGQPIFLTKERGITNNTNFYLDLSVE with polyhistidine tag at the C-terminus.

Formulation: Lyophilized from a sterile filtered aqueous solution in 1 \times PBS, pH 7.4.



SDS-PAGE analysis of recombinant human IL-36 beta

Usage Method

1. Before opening, it is recommended to centrifuge at 3000-3500 rpm for 5 minutes.
2. Reconstitute to a concentration of 0.1-1.0 mg/mL in sterile distilled H₂O. Allow the solution to sit at room temperature for at least 20 minutes to ensure complete dissolution. Avoid vigorous vortexing.
3. The reconstituted solution can be stored at 2-8°C for up to 1 week.
4. For long-term storage, it is recommended to further dilute the solution with a carrier protein (such as 0.1% BSA, 10% FBS, or 5% HSA) to a concentration of no less than 10 µg/mL and aliquot for storage at -20°C to -80°C for 3 to 6 months. If serum-free experiments are required, a 5% trehalose solution can be used as a carrier instead. Avoid repeated freeze-thaw cycles.

Storage

Physical Appearance	Storage	Stability
Lyophilized powder	-20°C to -80°C	1 year
Reconstitution (initial)	2°C to 8°C	Less than 1 week
Reconstitution (after dilution)	-20°C to -80°C	3 to 6 months

Note

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.