

# Growth Factor Data Sheet

GoldBio growth factors are manufactured for **RESEARCH USE ONLY** and cannot be sold for human consumption!

Interleukin-36B (IL36B) is a pro-inflammatory cytokine that plays an important role in the pathophysiology of several diseases. IL36A, IL36B and IL36G (formerly IL1F6, IL1F8, and IL1F9) are IL1 family members that signal through the IL1 receptor family members IL1Rrp2 (IL1RL2) and IL1RAcP. 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.

<b>Catalog Number</b>	<b>1110-36D</b>
<b>Product Name</b>	<b>IL36B (IL-36 beta), Human (153 a.a.)</b> Recombinant Human Interleukin-36β IL36B, IL36β Interleukin 36β Interleukin 1 Family, Member 8 (IL1F8)
<b>Source</b>	<i>Escherichia coli</i>
<b>MW</b>	17.2 kDa (153 amino acids)
<b>Sequence</b>	REAAPKSYAI RDSRQMVWVL SGNSLIAAPL SRSIKPVT LH LIACRDTEFS DKEKGNMVYL GIKGKDLCLF CAEIQ GKPTL QLKEKNIMDL YVEKKAQKPF LFFHNKEGST SVFQSVSYPG WFIATSTTSG QPIFLTKERG ITNNTNFYLD SVE
<b>Accession Number</b>	<a href="#">Q9NZH7-2</a>
<b>Purity</b>	>97% by SDS-PAGE and HPLC analyses
<b>Biological Activity</b>	Fully biologically active when compared to standard. The ED <sub>50</sub> as determined by inducing IL-8 secretion in human preadipocytes is less than 10 ng/ml, corresponding to a specific activity of >1.0 × 10 <sup>5</sup> IU/mg.
<b>Formulation</b>	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
<b>Storage/Handling</b>	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage. The reconstituted sample can be apportioned into working aliquots and stored at -80 °C for up to 6 months. Avoid repeated freeze/thaw cycles.
<b>Reconstitution</b>	The sample should be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a siliconized tube using PBS that contains a 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Reconstituted solutions are stable for up to one week at 2-8°C. Stock solutions should be aliquoted and stored at -80°C. Further dilutions should be made in appropriate buffered solutions containing BSA or serum.