

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 which plays an important role in the pathophysiology of several diseases. IL36A, IL36B, and IL36G (formerly IL1F6, IL1F8, and IL1F9) are all IL1 family members that signal through the IL1 receptor family members IL1Rrp2 (IL1RL2) and IL1RAcP. IL36B is reported to be expressed at higher levels in psoriatic plaques than in symptomless psoriatic skin or healthy control skin. IL36B can also stimulate the production of IL6 and IL8 in synovial fibroblasts, articular chondrocytes and mature adipocytes.

Catalog Number	1310-36D
Product Name	IL36B (IL-36 beta), Murine (153 a.a.) Recombinant Murine Interleukin-36β IL36B, IL36β Interleukin 36β Interleukin 1 Family, Member 8 (IL1F8)
Source	<i>Escherichia coli</i>
MW	~17.4 kDa (153 amino acids)
Sequence	RAASPSLRHV QDLSSRVWIL QNNILTAVPR KEQTVPVIT LLPCQYLDL ETNRGDPTYM GVQRPMSCLF CTKDGEQPVL QLGEGNIMEM YNKKEPVKAS LFYHKKSGTT STFESAAFPG WFIAVCSKGS CPLILTQELG EIFITDFEMI VVH
Purity	>95% by SDS-PAGE and HPLC analyses
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by inducing IL-6 secretion in murine NIH/3T3 cells is less than 25 ng/ml, corresponding to a specific activity of >4.0 × 10 ⁴ IU/mg.
Formulation	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
Storage/Handling	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.
Reconstitution	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.