

**IL18BP, 31-194aa, Human, hlgG-His-tag, Baculovirus**

**Cat.NO.: TP02621**

3th Edition

**Synonyms:** Interleukin-18-binding protein isoform, IL18BP, IL18BP $\alpha$

**Description:** IL18BP, as known as interleukin-18-binding protein isoform, is a secreted glycoprotein. It belongs to the interleukin 1 receptor family. This protein functions as an IL18 antagonist by binding to IL18 and blocking its biological activity. Also, it is essential for IL18 mediated signal transduction. The expression of IL18BP is markedly upregulated by IFN-gamma, suggesting that IL18 activity is modulated by a negative feedback mechanism mediated by IL18BP. Recombinant human IL18BP, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:** 44.9kDa (406aa), 40-57kDa (SDS-PAGE under reducing conditions.)

**Sequences:**

ADPTPVSQTTTAATASVRSTKDPSPQPPVFPAKQCPALEVTWPEVEVPLNGTSLSCVACSRFPNFSILYWLGN  
GSFIEHLPGRLEWEGSTSRERGSTGTQLCKALVLEQLTPALHSTNFSCLVDPEQVVQRHVLAQLWAGLRATLPPT  
QEALPSSHSSPQQGLEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF  
NWKYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYT  
LPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFC  
SVMHEALHNHYTQKSLSLSPGKHHHHHHH

**Purity:** > 95% by HPLC

**Concentration:** 0.5mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:** <1.0 EU per 1  $\mu$ g of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.