10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

IL-18 BP

Catalog # PVGS1319

Product Information

Primary Accession	O95998
Species	Human
Sequence	Thr31-Gly194
Purity	> 95% as analyzed by SDS-PAGE > 95% as analyzed by HPLC
Endotoxin Level	
Biological Activity	ED_{50}
Expression System	CHO
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH_2O or PBS up to 100 □g/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Additional Information

Gene ID	10068
Other Names	Interleukin-18-binding protein, IL-18BP, Tadekinig-alfa, IL18BP
Target Background	Interleukin-18 binding protein, also known as IL-18BP and tadekinig-alfa, is a secreted glycoprotein that contains an Ig-like C2-type domain. It is expressed in heart, lung, placenta and spleen. IL-18BP functions as an inhibitor of the proinflammatory cytokine IL-18. It binds to IL-18, prevents the binding of IL-18 to its receptor, and thus blocks IL-18-induced IFN-gamma production. The complete Ig domain has been shown to mediate the binding and neutralizing properties. IFN-gamma is able to upregulate the expression of IL-18BP, indicating that IL-18 activity is regulated by a feedback mechanism through IL-18BP.

Protein Information

Name	IL18BP

Function	Isoform A binds to IL-18 and inhibits its activity. Functions as an inhibitor of the early TH1 cytokine response.
Cellular Location	Secreted.
Tissue Location	Strongly expressed in heart, lung, placenta and spleen.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.