

Recombinant Human IL18BP

Cat No:HR2R1559

For research use only

Overview

Quantity	200 ?g
Gene Symbol	IL18BP
Gene ID	10068
Accession	O95998
Alternative Name	IL-18BP, Tadekinig-alfa Recombinant Human Interleukin-18 Binding Protein (IL18BP)
Species	Human
Source	HEK cells
Description	IL-18BP is a secreted protein that binds IL-18 with high affinity and prevents its interaction with the IL-18R. Different isoforms of IL-18BP have been demonstrated, four in human and two in the murine system, and biological activity is limited to particular isoforms. IL-18 binding protein is a constitutively expressed and secreted protein that resembles the extracellular domains of Ig-like receptors but has no transmembrane form. Because IL-18 is one of the early signals leading to IFN-gamma production by Th1 cells, blocking IL-18 activity by IL-18BP may be involved in down-modulation of the early phases of immune responses.
Functions	The activity of recombinant Interleukin-18 Binding Protein was determined by the ability to bind IL-18 in functional ELISA.
Formulation	Recombinant IL-18BP is supplied as an 0.2 ?m filtered PBS solution.
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	19
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.