

# Recombinant Human Interleukin 18 Binding Protein

Cat. No. IL18BP-1656H Lot. No. (See product label)

## SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	IL-18-binding protein (IL-18BP) is a secreted glycoprotein that functions as a natural anti-inflammatory and immunosuppressive molecule neutralizing the effects of high IL18 levels during inflammation. There are four variants of IL-18BP and IL18BP $\alpha$ is the predominant form showing the highest affinity towards IL18. that IL-18 BP $\alpha$ :Fc has the potential to amplify anti-inflammatory actions of immunosuppressive drugs, and thus may prove to be a valuable novel pharmacological component in the treatment of human autoimmune diseases.
<b>Molecular Weight</b>	The predicted molecular weight of Recombinant Human IL-18 BP $\alpha$ is Mr 44.2 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 65-75 kDa.
<b>State Of Matter</b>	Lyophilized.
<b>Purity</b>	>95% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	<1.0 EU/g as determined by the LAL method.
<b>Storage And Stability</b>	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid

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Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

## GENE INFORMATION

**Gene Name** IL18BP interleukin 18 binding protein [Homo sapiens ]

**Synonyms** IL18BP; interleukin 18 binding protein; tadekinig-alfa; IL18BPa; OTTHUMP00000179143; MC51L-53L-54L homolog gene product; IL-18BP; OTTHUMP00000179141; Tadekinig-alfa; Interleukin-18-binding protein

**Gene ID** 10068

**mRNA Refseq** NM\_001039659

**Protein Refseq** NP\_001034748

**MIM** 604113

**UniProt ID** O95998

**Chromosome Location** 11q13

**Function** interleukin-18 binding; receptor antagonist activity

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