

## IL-18BP Protein, Human (HEK293, hFc)

Cat. No.:	HY-P72575
Synonyms:	Interleukin-18-binding protein; IL-18BP; Tadekinig-alfa
Species:	Human
Source:	HEK293
Accession:	AAD17187.1 (T29-G192)
Gene ID:	10068
Molecular Weight:	55-80 kDa

### PROPERTIES

AA Sequence	<p>           T P V S Q T T T A A    T A S V R S T K D P    C P S Q P P V F P A    A K Q C P A L E V T            W P E V E V P L N G    T L S L S C V A C S    R F P N F S I L Y W    L G N G S F I E H L            P G R L W E G S T S    R E R G S T G T Q L    C K A L V L E Q L T    P A L H S T N F S C            V L V D P E Q V V Q    R H V V L A Q L W A    G L R A T L P P T Q    E A L P S S H S S P            Q Q Q G         </p>
Biological Activity	Immobilized Human IL-18 at 5 µg/mL (100 µl/Well) on the plate. Dose response curve for Human IL-18BP, hFc Tag with the EC <sub>50</sub> of 62.2 ng/mL determined by ELISA .
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	IL-18BP Protein is a cytokine receptor that inhibits the binding of IL-18 to its receptor, and thus inhibits IL-18-induced IFN-gamma production, resulting in reduced T-helper type 1 immune responses <sup>[1]</sup> . IL-18BP Protein is constitutively expressed and secreted in mononuclear cells <sup>[2]</sup> . Elevated level of IL-18BP Protein is detected in the intestinal tissues of patients with Crohn's disease <sup>[3]</sup> .
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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