

Product Name: Recombinant Mouse IL-18BPd (C-Fc)
Catalog #: PHM0992

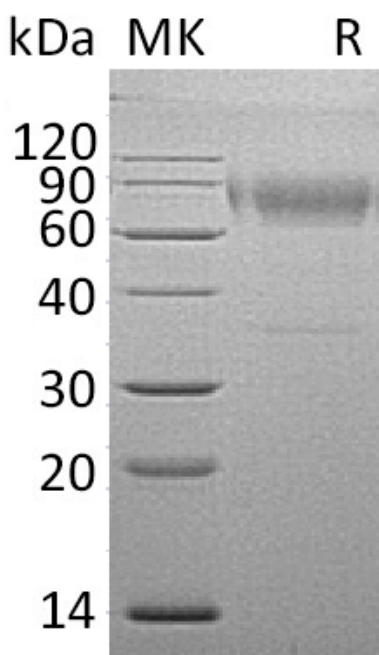


Summary

Name	IL-18 BPd/Interleukin-18 binding protein isoform d
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Mouse Interleukin-18 Binding Protein Isoform d is produced by our Mammalian expression system and the target gene encoding Thr29-Ala193 is expressed with a human IgG1 Fc tag at the C-terminus.
Accession #	Q9Z0M9
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	45.1 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

Interleukin 18 Binding Protein Isoform d; IL-18 BPD; Interleukin-18-binding protein; Interferon gamma-inducing factor-binding protein; Igifbp

Background

Interleukin 18 binding protein (IL-18BP) is a physiological inhibitor that acts through binding to the receptor-binding site of IL-18. IL-18 stimulates $\text{INF-}\gamma$, which then stimulates 18BP production via $\text{NF-}\kappa\text{B}$. The interaction between IL-18 and IL-18BP has a significant role in the inflammation process. IL-18 BPs have four isoforms, a, b, c and d, which are spliced by different ways. The IL-18 BP isoforms a and c each contain one immunoglobulin (Ig)-like C2-type domain which is essential to the binding and neutralizing properties of the binding proteins. The IL-18 BP isoforms b and d lack a complete Ig domain. The expression of IL-18 and the IL-18BP are identified in immune tissues such as the spleen, but also in nonimmune cells including keratinocytes.

Note

For Research Use Only , Not for Diagnostic Use.