



# Recombinant Protein Technical Manual

## Recombinant Mouse IL18BP Protein (Fc Tag)

RPES1666

### Product Data:

**Product SKU:** RPES1666

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** Q9Z0M9

### Protein Information:

**Molecular Mass:** 45.1 kDa

**AP Molecular Mass:** 60-90 kDa

**Tag:** C-Fc

**Bio-activity:**

**Purity:** > 95 % as determined by SDS-PAGE

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Interleukin 18 Binding Protein Isoform d; IL8 BPd; Interleukin8-binding protein; Interferon gamma-inducing factor-binding protein; Igifbp

## Immunogen Information:

**Sequence:** Thr29-Ala193

## Background:

Interleukin 18 binding protein (IL8BP) is a physiological inhibitor that acts through binding to the receptor-binding site of IL8. IL8 stimulates INF- $\gamma$ , which then stimulates 18BP production via NF- $\kappa$ B. The interaction between IL8 and IL8BP has a significant role in the inflammation process. IL8 BPs have four isoforms, a, b, c and d, which are spliced by different ways. The IL8 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 IL8 BP isoforms b and d lack a complete Ig domain. The expression of IL8 and the IL8BP are identified in immune tissues such as the spleen, but also in nonimmune cells including keratinocytes.