



# Recombinant Protein Technical Manual

## Recombinant Mouse CD32b/FCGR2B Protein (His Tag)

RPES0629

### Product Data:

**Product SKU:** RPES0629

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** P08101

### Protein Information:

**Molecular Mass:** 21.6 kDa

**AP Molecular Mass:** 33 kDa

**Tag:** C-6His

**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:** Low affinity immunoglobulin gamma Fc region receptor II;Fc gamma receptor IIB;Fc-gamma RII;Fc-gamma-RIIB;FcRII;IgG Fc receptor II beta;Lymphocyte antigen 17; Ly7; CD32; Fcgr2; Fcgr2b; Ly7

## Immunogen Information:

**Sequence:** Thr30-Pro210

## Background:

Low affinity immunoglobulin gamma Fc region receptor II (CD32B) is a single-pass type I membrane protein and contains 2 Ig-like C2-type (immunoglobulin-like) domains. The inhibitory CD32B is expressed on B cells and myeloid dendritic cells. Ligation of CD32B on B cells downregulates antibody production and may, in some circumstances, promote apoptosis. Co-ligation of CD32B on dendritic cells inhibits maturation and blocks cell activation. CD32B may also be a target for monoclonal antibody therapy for malignancies.