

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

Catalog Number: PKSM041016

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

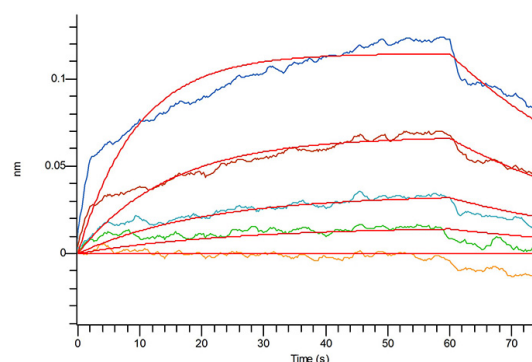
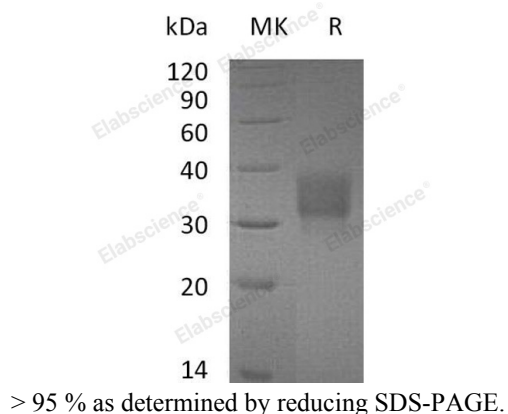
### Description

<b>Species</b>	Mouse
<b>Source</b>	HEK293 Cells-derived Mouse CD32b/FCGR2B protein Thr30-Pro210, with an C-terminal His
<b>Calculated MW</b>	21.6 kDa
<b>Observed MW</b>	33 kDa
<b>Accession</b>	P08101
<b>Bio-activity</b>	Loaded Recombinant Mouse CD32b(C-6His) (PKSM041016) on HIS1K Biosensor, can bind Recombinant Mouse IgG1 Fc (PKSM041044) with an affinity constant of 0.388 uM as determined in BLI assay.

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, 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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



Loaded Recombinant Mouse CD32b(C-6His) (PKSM041016) on HIS1K Biosensor, can bind Recombinant Mouse IgG1 Fc (PKSM041044) with an affinity constant of 0.388 uM as determined in BLI assay.

### Background

### For Research Use Only

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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.