

# Recombinant Mouse IgG2B Protein

Catalog No.: RPT0025 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	16016	P01867-2

### Tags

N-His

### Synonyms

Ighg2b;Igh-3;lg gamma-2B chain C region ;Immunoglobulin heavy constant gamma 2B

## Product Information

Source	Purification
HEK293 cells	≥ 90 % as determined by SDS-PAGE.

Calculated MW	Observed MW
27.46 kDa	35-45 kDa

### Endotoxin

&lt; 0.01 EU/μg of the protein by LAL method

### Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

IgG2b, Type I receptor for TGF-beta family ligands BMP9/GDF2 and BMP10 and important regulator of normal blood vessel development. On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. May bind activin as well.

## Basic Information

### Description

Recombinant Mouse IgG2B Protein Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu97-Lys335) of Mouse IgG2b (Accession #P01867-2) fused with a His tag at the N-terminus.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

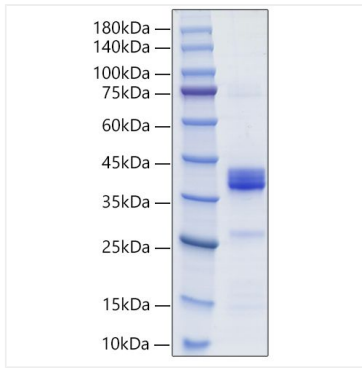
### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.



## Validation Data

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Recombinant Mouse IgG2B Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.