

## Recombinant Rat Complement C4b/C4b Protein (His Tag)

**Catalog Number: PDMR100009**

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

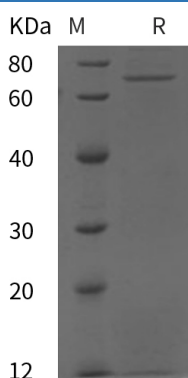
### Description

<b>Species</b>	Rat
<b>Source</b>	Mammalian-derived Rat Complement C4b;C4b protein Lys20–Ser673, with an C-terminal His
<b>Calculated MW</b>	71.8 kDa
<b>Observed MW</b>	70 kDa
<b>Accession</b>	P08649
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU/mg 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 in PBS with 5% Trehalose and 5% Mannitol.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

### Data



SDS-PAGE analysis of Rat Complement C4b/C4b proteins, 2 µg/lane of Recombinant Rat Complement C4b/C4b proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 70 kDa.

### Background

Non-enzymatic component of C3 and C5 convertases and thus essential for the propagation of the classical complement pathway. Covalently binds to immunoglobulins and immune complexes and enhances the solubilization of immune aggregates and the clearance of IC through CR1 on erythrocytes.

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