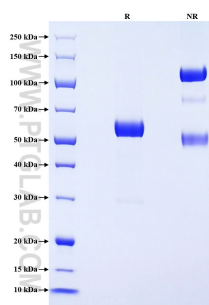


# Recombinant Mouse CD32B/Fcgr2b protein (rFc Tag)

Catalog Number: Eg5259

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p><b>Purity:</b> &gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b> &lt;0.1 EU/ µg protein, LAL method</p> <p><b>Source:</b> HEK293-derived Mouse CD32B protein Thr30-Pro210 (Accession# P08101-1) with a rabbit IgG Fc tag at the C-terminus.</p> <p><b>GeneID:</b> 14130</p> <p><b>Accession:</b> P08101-1</p> <p><b>Predicted Molecular Mass:</b> 46.6 kDa</p> <p><b>SDS-PAGE:</b> 55-65 kDa, reducing (R) conditions</p> <p><b>Formulation:</b> Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p><b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> <li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li> <li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li> </ul> <p><b>Shipping:</b> The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>CD32B, also known as FcγRIIb or FCGR2B, is a protein that belongs to the family of Fc receptors. It is a type I transmembrane protein and a member of the immunoglobulin superfamily of low-affinity immunoglobulin gamma Fc receptors. This protein acts as a low-affinity receptor for the Fc region of immunoglobulin gamma complexes. It plays a crucial role in immune responses, particularly in the phagocytosis of immune complexes. CD32B is involved in several processes, including Fc-gamma receptor signaling pathway involved in phagocytosis, negative regulation of B cell receptor signaling pathway, and regulation of dendritic spine maintenance. It is expressed in various cell types, such as B cells, myeloid cells, and is also found on the surface of B cell leukemia/lymphoma cells. The protein is encoded by the FCGR2B gene and is implicated in various diseases, including autoimmune thrombocytopenic purpura, glomerulonephritis, lymphoid leukemia, malaria, and systemic lupus erythematosus.</p>		
References	<ol style="list-style-type: none"> <li>1.Stopforth RJ. et al. (2016) J Clin Immunol. 36 Suppl 1:88-94.</li> <li>2.Tutt AL. et al. (2015) J Immunol. 195(11):5503-16.</li> <li>3.Lim SH. et al. (2011) Blood. 118(9):2530-40.</li> </ol>		
Synonyms	CD32, Fcgr2, Fcgr2b, FcγRII, FcγR 2		

## Selected Validation Data



Purity of Recombinant Mouse CD32B was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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