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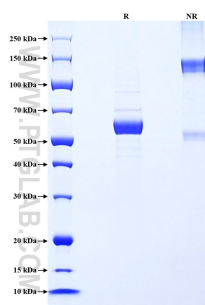
Recombinant Mouse Epor protein (rFc Tag)



Catalog Number: Eg2711

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Mouse Epor protein Ala25-Pro249 (Accession# P14753-1) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 13857</p> <p>Accession: P14753-1</p> <p>Predicted Molecular Mass: 50.7 kDa</p> <p>SDS-PAGE: 55-65 kDa, reducing (R) conditions</p> <p>Formulation: 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>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: 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>Erythropoietin (EPO) receptor (EPOR) is a glycoprotein that belongs to the type I superfamily of single-transmembrane cytokine receptors. It consists of an extracellular domain that binds to the EPO ligand, transmembrane, and intracellular domains. The interaction of EPO and EPOR triggers the activation of several signaling pathways that induce erythropoiesis, including JAK2/STAT5, PI3K/AKT, and MAPK. EPOR is present in erythroid progenitor cells and has also been detected in various non-hematopoietic cells.</p>		
References	<ol style="list-style-type: none">1. Ribatti D. et al. (2012). Int Rev Cell Mol Biol. 299:199-234.2. Tóthová Z. et al. (2021). Int J Mol Sci. 22(13):7109.3. Awida Z. et al. (2022). Int J Mol Sci. 23(19):12051.		
Synonyms	Epor, EPO-R, Erythropoietin receptor		

Selected Validation Data



Purity of Recombinant Mouse Epdr 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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