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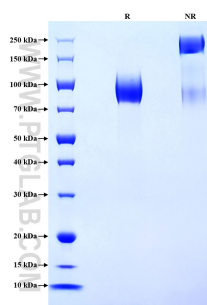
Recombinant Mouse SIRP alpha/CD172a protein (rFc Tag)



Catalog Number: Eg1520

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 SIRP alpha protein Lys32-Asn373 (Accession# P97797-2) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 19261</p> <p>Accession: P97797-2</p> <p>Predicted Molecular Mass: 64.2 kDa</p> <p>SDS-PAGE: 75-100 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	SIRP Alpha, also known as CD172a, SHPS-1, and BIT, belongs to the SIRP family. SIRP Alpha is a transmembrane glycoprotein expressed explicitly on myeloid cells and provides a "do not eat me" signal after engaging with integrin-associated protein CD47 on tumor cells. SIRP Alpha shows heterogeneity in molecular weight (~65-120 kDa) in various tissues due to differential glycosylation.		
References	<ol style="list-style-type: none">1.Pan L, et al. (2023) Cell Prolif. 56(2):e13361.2.Oralizadeh M, Salter DM. (2007) Iran Biomed J. 11(2):119-24.		
Synonyms	Bit, Brain Ig-like molecule with tyrosine-based activation motifs, CD172 antigen-like family member A, CD172a, Inhibitory receptor SHPS-1		

Selected Validation Data



Purity of Recombinant Mouse SIRP alpha 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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