

Mouse SIRP alpha/CD172a (Fc Tag) recombinant protein



Catalog Number: 503641

General Information

Gene Name Synonym

Brain Ig-like molecule with tyrosine-based activation motifs; CD172 antigen-like family member A; Inhibitory receptor SHPS-1; MyD-1 antigen; Signal-regulatory protein alpha-1; p84

Protein Construction

A DNA sequence encoding the extracellular domain of mouse SIRPA (BAA20376.1) (Met 1-Asn 373) was fused with the Fc region of human IgG1 at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA.

Immobilized rat CD47-His (Cat:500893) at 10 µg/ml (100 µl/well) can bind mouse SIRPA-Fc. The EC₅₀ of mouse SIRPA-Fc is 0.6-1.4 µg/ml.

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Thr 32

Molecular Mass

The secreted recombinant mouse SIRPA/Fc is a disulfide-linked homodimer. The reduced monomer comprises 583 amino acids and has a calculated molecular mass of 64.9 kDa. As a result of glycosylation, the apparent molecular mass of rmSIRPA/Fc monomer is approximately 1001-20 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

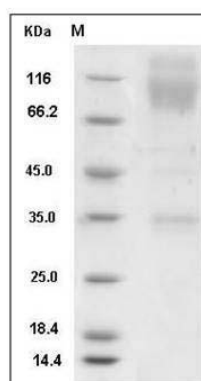
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



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