

Human SIRP Alpha, Fc Tag, CHO

Catalog Number	LDG103PHM
Package	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Human

Expression system

CHO

Affinity Tag

Human IgG1 Fc tag (C-term)

Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Purity

>95% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated 63.4 MW of kDa. The protein migrates as 65-100 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measured by its ability to support the adhesion of red blood cells, with the ED50 being < 3 µg/mL.

Endotoxin level

<0.1 EU per 1 µg of the protein by the LAL method.

Mycoplasma

Not detected

Form

Lyophilized

Background

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Background

SIRP α is a negative regulator of immune cell activation, interacting with the "don't eat me" signal CD47 on tumor cells. It is being explored in cancer therapy to enhance anti-tumor immunity.

Uniprot ID

P78324

Synonyms

Tyrosine-protein phosphatase non-receptor type substrate 1, SHP substrate 1, SHPS-1, Brain Ig-like molecule with tyrosine-based activation motifs, Bit, CD172 antigen-like family member A, Inhibitory receptor SHPS-1, Macrophage fusion receptor, MyD-1 antigen, Signal-regulatory protein alpha-1, Sirp-alpha-1, Signal-regulatory protein alpha-2, Sirp-alpha-2, Signal-regulatory protein alpha-3, Sirp-alpha-3, p84, CD172a

Sequence Note

Glu31-Arg370

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration of 200 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image

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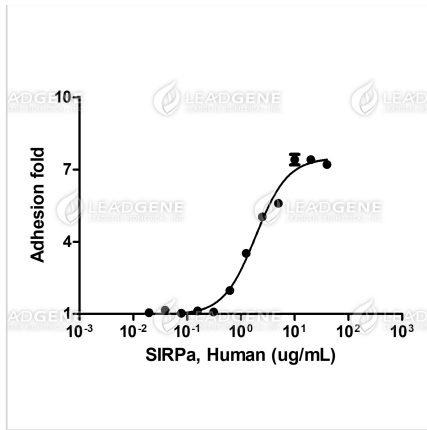
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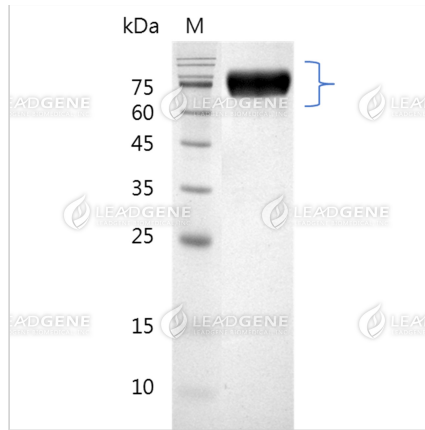
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Human SIRP Alpha, Fc Tag, CHO (LDG103PHM) supports the adhesion of red blood cells, with the ED50 being < 3 µg/mL.



SDS-PAGE analysis of recombinant human SIRP Alpha.

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