

For Research Use Only

Recombinant Rat CD90/Thy1 protein (His Tag)



Catalog Number: Eg1463

Basic Information

Species:
Rat

Purity:
>90 %, SDS-PAGE

Tag:
His Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<1.0 EU/ µg protein, LAL method

Source:

HEK293-derived Rat CD90/Thy1 protein Gln20-Cys130 (Accession# P01830) with a His tag at the C-terminus.

GeneID:

24832

Accession:

P01830

Predicted Molecular Mass:

13.8 kDa

SDS-PAGE:

Formulation:

Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

CD90, also known as Thy1, is a 25-35 kDa protein that is expressed on 1-4% of human fetal liver cells, cord blood cells, and bone marrow cells. CD90 is one of the essential surface molecules expressed on human MSC from bone marrow and other sources. Activation of Thy-1 has been reported to promote T cell activation. It also affects numerous nonimmunologic biological processes, including cellular adhesion, neurite outgrowth, tumor growth, migration, and cell death.

References

1. Shaikh, Muhammad Vaseem et al. Cancer biomarkers : section A of Disease markers vol. 16,3 (2016): 301-7.
2. Schroeder, Jan-Hendrik et al. Frontiers in immunology vol. 14 (2023) 1113735.
3. Kumar, Atul et al. Tumour biology : the journal of the International Society for Oncodevelopmental Biology and M

Synonyms

Selected Validation Data

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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.