

For Research Use Only

Recombinant Human PDGFR alpha/CD140a protein (His Tag)



Catalog Number: Eg2518

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
His Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Human PDGFR alpha protein Gln24-Glu524 (Accession# P16234-1) with a His tag at the C-terminus.

GeneID:

5156

Accession:

P16234-1

Predicted Molecular Mass:

57.2 kDa

SDS-PAGE:

68-85 kDa, reducing (R) conditions

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.

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

Platelet-derived growth factor receptor alpha (PDGFR alpha, also known as CD140a) is a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. PDGFR alpha is implicated in the regulation of embryonic development, tumorigenesis, cell proliferation, survival, and chemotaxis. Mutations in the PDGFR alpha gene have been associated with idiopathic hypereosinophilic syndrome, somatic and familial gastrointestinal stromal tumors, and a variety of other cancers.

References

1. Ross, R, et al. (1986) Cell. 46:155-169.
2. Andrae J, et al. (2008) Genes Dev. 15;22(10):1276-312.
3. Dong J, et al. (2004) EMBO J. 21;23(14):2800-10.

Synonyms

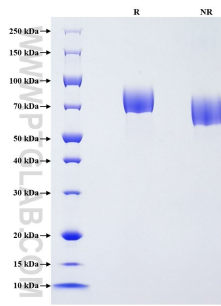
PDGFRA, Alpha platelet-derived growth factor receptor, Alpha-type platelet-derived growth factor receptor, CD140 antigen-like family member A, CD140A

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

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Selected Validation Data



Purity of Recombinant Human PDGFR 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.