

Recombinant Human PDGFR alpha/PDGFR A Protein, His tag

产品信息

产品名称	产品编号	规格
Recombinant Human PDGFR alpha/PDGFR A Protein, His tag	95004ES25	25 µg
	95004ES60	100 µg
	95004ES76	500 µg

产品简介

PDGFR A is a cell surface receptor protein that binds to Platelet-derived growth factor (PDGF). This activation plays a crucial role in the regulation of cell growth, proliferation, and differentiation. Abnormal expression of PDGFR A can lead to various diseases like cancer and fibrosis.

性能参数

Synonyms	PDGFR A; CD140A; PDGFR2; RHEPDGFR A; MGC74795
Uniprot No.	P16234
Source	Recombinant Human PDGFR A Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains Gln24-Ala528.
Molecular Weight	The protein has a predicted MW of 57.63 kDa. And it migrates as 72-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity	> 95% as determined by SDS-PAGE.
Endotoxin	<0.1 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge tubes before opening. Dissolve lyophilized protein with sterile PBS to ensure the concentration is greater than 100 µg/mL.

储存条件

The product should be stored at -25~-15°C for 1 year from date of receipt.

2-7 days, 2~8 °C under sterile conditions after reconstitution.

3 months, -25~-15°C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

注意事项

1. Please operate with lab coats and disposable gloves, for your safety.
2. This product is for research use only.

SDS-PAGE

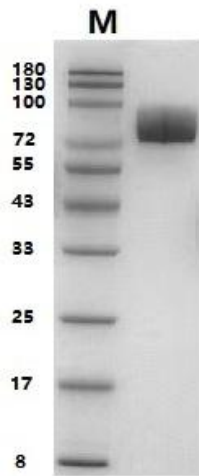


Figure 1. Human PDGFRA on SDS-PAGE under reduced condition. The purity is greater than 95%.

Bioactivity-Cell based assay

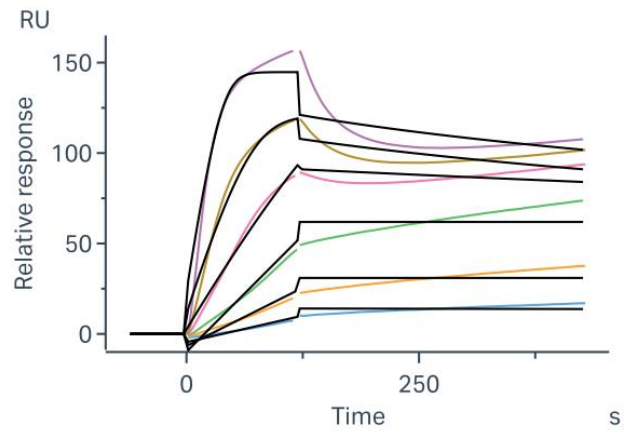


Figure 2. Human PDGFRA, his Tag captured on CM5 chip via anti-his antibodies surface, can bind human PDGFBB with an affinity constant of 3.01×10^{-10} M as determined in a SPR assay (Biacore 8K).