

Human CellExp™ PDGF R alpha/ PDGFRA, Human Recombinant

CATALOG NO: P1460-10 10 µg
P1460-50 50 µg

ALTERNATE NAMES: PDGFRA, CD140A, PDGFR2, RHEPDGFRA, MGC74795

MOL. WT. This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 58.4 kDa. The protein migrates as 66-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

SOURCE: HEK 293 cells

PURITY: >95% SDS-PAGE.

ENDOTOXIN: Less than 1.0 EU per µg by the LAL method.

FORM: Lyophilized

FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

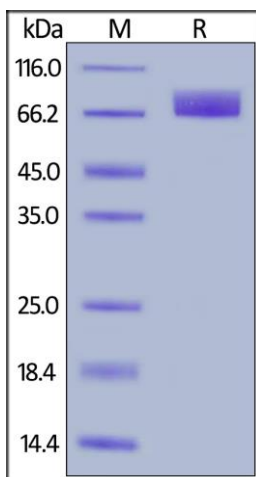
RECONSTITUTION: Reconstitute in sterile deionized water to the desired protein concentration.

SPECIFIC ACTIVITY: Immobilized Human PDGF-BB at 2 µg/mL (100 µL/well) can bind Human PDGF R alpha with a linear range of 0.02-0.625 µg/mL

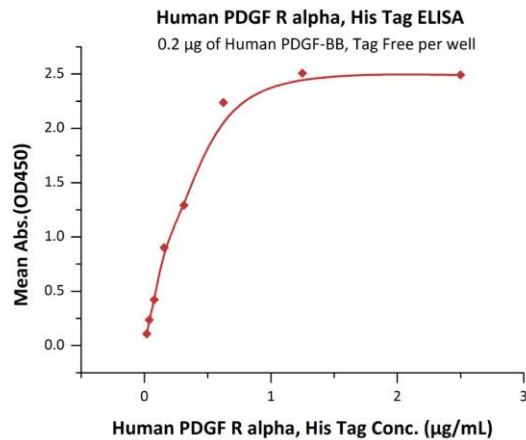
STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -80°C and use within 3 months. Avoid repeated freezing and thawing cycles. -20°C

DESCRIPTION: PDGFRA(platelet-derived growth factor receptor A), also termed PDGFR α (platelet-derived growth factor receptor α), is a receptor located on the surface of a wide range of cell types. This receptor binds to certain isoforms of platelet-derived growth factors (PDGFs) and thereby becomes active in stimulating cell signaling pathways that elicit responses such as cellular growth and differentiation. The receptor is critical for the development of certain tissues and organs during embryogenesis and for the maintenance of these tissues and organs, particularly hematologic tissues, throughout life. Mutations in the gene which codes for PDGFRA, are associated with an array of clinically significant neoplasms.

AMINO ACID SEQUENCE: Gln 24 - Ala 528



Human PDGF R alpha, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.



Immobilized Human PDGF-BB at 2 µg/mL (100 µL/well) can bind Human PDGF R alpha, His Tag with a linear range of 0.02-0.625 µg/mL

RELATED PRODUCTS:

- PDGFR Antibody (Clone # 275CT1) (6787)
- Human CellExp™ PDGFRb/CD140b, human recombinant (7493)
- Anti-CD140b Rabbit Monoclonal Antibody (A1604)
- PDGFR beta, Active (7770)

FOR RESEARCH USE ONLY! Not to be used on humans.