
Product Data Sheet

Product Name: PDGFRA Human

Cat. No.: GP20823

Batch No.: 1

Product Data

Purity >98%

Source E.coli.

Physical
Appearance

solid

Shipping
Condition Shipped with Ice Packs.

Synonyms

Platelet-derived growth factor receptor alpha polypeptide; PDGFR2; PDGF-R-alpha; CD140 antigen-like family member A; CD140a antigen; alpha-type platelet-derived growth factor receptor; RHEPDGFRA; rearranged-in-hypereosinophilia-platelet derived growth factor receptor alpha; PDGFRA/BCR fusion protein; MGC74795; EC 2.7.10.1.

Amino Acid
Sequence

MGSSHHHHH SGLVPRGSH MQLSLPSILP NENEKVVQLN SSFSLRCFGE
SEVSWQYPMS EEESDVEIR NEENNSGLFV TVLEVSSASA AHTGLYTCYY
NHTQTEENEL EGRHIYIYVP DPDVAFVPLG MTDYLVIVED DDSAIIPCRT
TDPETPVT LH NSEGVVPASY DSRQGFNGTF TVGPYICEAT VKGKKFQTIP
FNVYALKATS ELDLEMEALK TVYKSGETIV VTCAVFNNEV VDLQWTYPGE
VKGKGITMLE EIKVPSIKLV YTLTVPEATV KDSGDYEECA RQATREVKEM
KKVTISVHEK GFIEIKPTFS QLEAVNLHEV KHFVVEVRAY PPRISWLKN
NLTLIENLTE ITTDVEKIQE IRYRSKLLI RAKEEDSGHY TIVAQNEDAV
KSYTFELLTQ VPSSILDLVD DHHGSTGGQT VRCTAEGTPL PDIEWMICKD
IKKCNNETSW TILANNVSN I TEIHSRDRS TVEGRVTF AK VEETIAVRCL
AKNLLGAENR ELKLVAPTLR SE.

Formulation

The PDGFRA solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 20% glycerol.

Introduction

PDGFRA is a cell surface tyrosine kinase receptor for PDGF family members. PDGFRA binds to both A and B subunits of PDGF. It is known that PDGFRA is vital for kidney development since mice heterozygous for the receptor display defective kidney phenotypes.

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

PDGFRA Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 522 amino acids (24-524) and having a molecular mass of 58.4 kDa. The PDGFRA is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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