



Platelet Derived Growth Factor Receptor, Alpha, His Tag, human recombinant (rHuPDGFRA-His)

Catalog No: 97557
Lot No: XXXXX
Source: *E. coli*
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

Background

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.

Description

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. PDGFRA is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered colorless solution.

Formulation

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

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.

Purity

Greater than 85% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MQLSLPSILP NENEKVVQLN SSFSLRCFGE SEVSWQYPMS EEESDVEIR NEENNSGLFV
TVLEVSSASA AHTGLYTCYY NHTQTEENEL EGRHIYIYVP DPDVAFVPLG MTDYLVIVED DDSAIIPCRT TDPETPVTLH
NSEGVVPASY DSRQGFNGTF TVGPYICEAT VKGKKFQTIP FNVYALKATS ELDLEMEALK TVYKSGETIV VTCAVFNNEV
VDLQWYTPGE VKGKGITMLE EIKVPSIKLV YTLTVPEATV KDSGDYECOA RQATREVKEM KKVTISVHEK GFIEIKPTFS
QLEAVNLHEV KHVVVEVRAY PPPRISWLKN NLTLIENLTE ITTDVEKIQE IRYRSKLLI RAKEEDSGHY TIVAQNEDAV
KSYTFELLTQ VPSSILDLDV DHHGSTGGQT VRCTAEGTPL PDIEWMICKD IKKCNNETSW TILANNVSN I TEIHSRDRS
TVEGRVTFAK VEETIAVRCL AKNLLGAENR ELKLVAPTLR SE

Usage

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CONTACT US TODAY

BIOMOL GmbH • Kieler Straße 303a • 22525 Hamburg • Germany • info@biomol.de • www.biomol.de

Fon: +49 (0)40-853 260 0 • TOLL FREE IN GERMANY: Fon: 0800-246 66 51