NKMAXBIO We support you, we believe in your research

Recombinant human PDGF R alpha protein

Catalog Number: ATGP1153

PRODUCT INFORMATION

Expression system

E.coli

Domain

24-524aa

UniProt No.

P16234

NCBI Accession No.

NP 006197

Alternative Names

Platelet-derived growth factor receptor alpha precursor, CD140A, PDGFR2, MGC74795, Rhe-PDGFRA

PRODUCT SPECIFICATION

Molecular Weight

58.4 kDa (522aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl,1mM DTT

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

PDGFRa, also known as platelet derived growth factor receptor alpha, is a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. This protein can bind to both A and B subunits of PDGF. It is particularly important for kidney development since mice heterozygous for the receptor exhibit defective kidney phenotypes. Recombinant human PDGFRa protein, fused to His-tag at N-terminus, was expressed in E. coli and purifed by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.



NKMAXBio We support you, we believe in your research

Recombinant human PDGF R alpha protein

Catalog Number: ATGP1153

Amino acid Sequence

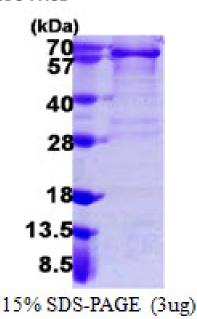
MGSSHHHHHH SSGLVPRGSH MQLSLPSILP NENEKVVQLN SSFSLRCFGE SEVSWQYPMS EEESSDVEIR NEENNSGLFV TVLEVSSASA AHTGLYTCYY NHTQTEENEL EGRHIYIYVP DPDVAFVPLG MTDYLVIVED DDSAIIPCRT TDPETPVTLH NSEGVVPASY DSRQGFNGTF TVGPYICEAT VKGKKFQTIP FNVYALKATS ELDLEMEALK TVYKSGETIV VTCAVFNNEV VDLQWTYPGE VKGKGITMLE EIKVPSIKLV YTLTVPEATV KDSGDYECAA RQATREVKEM KKVTISVHEK GFIEIKPTFS QLEAVNLHEV KHFVVEVRAY PPPRISWLKN NLTLIENLTE ITTDVEKIQE IRYRSKLKLI RAKEEDSGHY TIVAQNEDAV KSYTFELLTQ VPSSILDLVD DHHGSTGGQT VRCTAEGTPL PDIEWMICKD IKKCNNETSW TILANNVSNI ITEIHSRDRS TVEGRVTFAK VEETIAVRCL AKNLLGAENR ELKLVAPTLR SE

General References

Yu J. et al. (2000) J Biol Chem. 275: 19076-82 Xie J. et al. (2001). Proc. Natl. Acad. Sci. uSA 98: 9255-59

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

