

PDGFRA

Recombinant Human PDGFRA Active GST-His

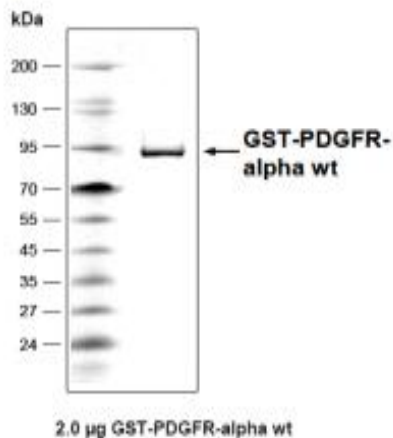
Catalog No.	CRP036	Quantity:	50 µg
Alternate Names:	CD140A, MGC74795, PDGFR2, Rhe-PDGFRα, FIP1L1/PDGFRα fusion protein, platelet-derived growth factor receptor alpha, rearranged-in-hypereosinophilia-platelet derived growth factor receptor alpha fusion protein		
Description:	Human PDGFR-α, C-terminal fragment, amino acids Q ₅₅₁ -L ₁₀₈₉ (as in NCBI/Protein entry NP_006197.1), N-terminal GST-HIS ₆ fusion protein with a 3C cleavage site, expressed in Sf9 insect cells		
Concentration:	0.185 µg/µl		
Gene ID:	5156		
Protein Accession No:	NP_006197.1		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 89,907 Da		
Formulation:	50 mM HEPES pH 7.5 + 100 mM NaCl + 5 mM DTT + 15 mM reduced glutathione, 20% glycerol		
Purification:	GST-Affinity Chromatography		
Product Identity:	PDGFR-α wt was confirmed as PDGFR-α by mass spectroscopy LC-ESI-MS/MS		
Specific Activity:	83 pmol/µg×min ATP-K_M: 62 µM Method for determination of K_m value and specific activity: - Assay conditions: 60 mM HEPES-NaOH, pH 7.5 3 mM MgCl₂ 3 mM MnCl₂ 3 µM Na-orthovanadate 1.2 mM DTT 50 µg / ml PEG_{20,000} ATP (variable) Substrate: TRK-C-derived peptide, 80 µg / ml PDGFR-α: 1.0 µg / ml - Filter binding assay MSFC membrane (Millipore)		



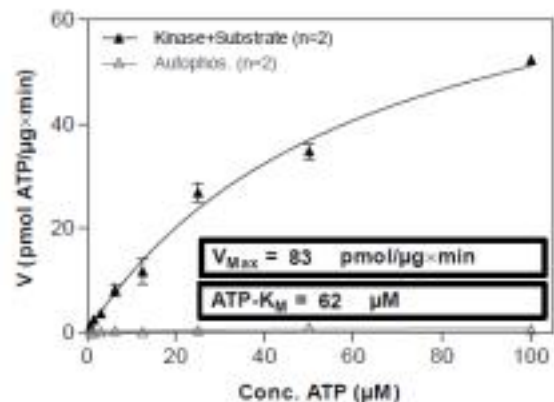
Amino Acid Sequence: MSPILGYWKI KGLVQPTRLI LEYLEEKYEE HLYERDEGDK WRNKKFELGL
 EFPNLPPYYID GDVKLTSMA IIRYADKHN MLGGCPKERA EISMLEGAVL
 DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH
 PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA
 WPLQGWQATF GGDHPPKSD PMGHHHHHHG RDSLEVLFGQ PLAMGQKPRY
EIRWRIESI SPDGHEYIYV DPMQLPYDSR WEFPRDGLVL GRVLGSGAFG
KVVEGTAYGL SRSQPVMKVA VKMLKPTARS SEKQALMSEL KIMTHLGPHL
NIVNLLGACT KSGPIYITE YCFYGDVNY LHKNRDSFLS HHPEKPKKEL
DIFGLNPADE STRSYVILSF ENNGDYMDMK QADTTQYVPM LERKEVSKYS
DIQRSLYDRP ASYKKKSMLD SEVKNLLSDD NSEGLTLLDL LSFTYQVARG
MEFLASKNCV HRDLAARNVL LAQGKIVKIC DFGLARDIMH DSNYVSKGST
FLPVKWMAPE SIFDNLYTTL SDVWSYGILL WEIFSLGGTP YPGMMVDSTF
YNKIKSGYRM AKPDHATSEV YEIMVKCWSN EPEKRPSFYH LSEIVENLLP
GQYKKSYEKI HLDFLKSDHP AVARMRVDSD NAYIGVTYKN EEDKLKDWEG
GLDEQRLSAD SGYIPLPDI DPVPEEEDLG KRNHRSSQTS EESALETGSS
SSTFIKREDE TIEDIDMMDD IGIDSSDLVE DSFL

Storage & Stability: Store in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.

PDGFR-alpha wt
Coomassie stain



PDGFR-alpha wt
Determination of V_{max} and K_M value for ATP



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