

Recombinant Mouse PDGFR alpha Protein

Catalog #	Source	Reactivity	Applications
CRP3030	Human cells	Mouse	E, WB, SDS-PAGE, MS

Description Recombinant Mouse PDGFR alpha Protein is produced by mammalian expression system and the target gene encoding Leu25-Glu524 is expressed with a Fc tag at the C-terminus.

Form Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Gene Symbol PDGFRA

Alternative Names PDGFR2; RHEPDGFRA; Platelet-derived growth factor receptor alpha; PDGF-R-alpha; PDGFR-alpha; Alpha platelet-derived growth factor receptor; Alpha-type platelet-derived growth factor receptor; CD140 antigen-like family member A; CD140a antigen; Platelet-derived growth factor alpha receptor; Platelet-derived growth factor receptor 2; PDGFR-2; CD140a

Entrez Gene 18595 (Mouse)

SwissProt P26618 (Mouse)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure LLLPSILPNE NEKIVQLNSS FSLRCVGESE VSWQHPMSEE DDPNVEIRSE ENNSGLFVTV
 LEVVNASAAH TGWYTCYYNH TQTDESEIEG RHIIYVPDP DMAFVPLGMT DSLVIVEEDD
 SAIIPCRTTD PETQVTLHNN GRLVPASYDS RQGFNGTFSV GPYICEATVK GRTFKTSEFN
 VYALKATSEL NLEMDARQTV YKAGETIVVT CAVFNNEVVD LQWTYPGEVR NKGITMLEEI
 KLPSIKLVYT LTVPKATVKD SGEYECAARQ ATKEVKEMKR VTISVHEKGF VEIEPTFGQL
 EAVNLHEVRE FVVEVQAYPT PRISWLKDNL TLIENLTEIT TDVQKSQETR YQSKLKLIRA
 KEEDSGHYTI IVQNEDDVKS YTFELSTLVP ASILDLVDDH HGSGGGQTVR CTAEGTPLPE
 IDWMICKHIK KCNNDTSWTV LASNVSNIIT ELPRRGRSTV EGRVSFAKVE ETIAVRCLAK

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

NNLSVVAREL KLVAPTLRSE VDDIEGRMDE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK
PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL
TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRE EMTKNQVSLT
CLVKGFYPSD IAVEWESNGQ PENNYKTPPP VLDSGDSFFL YSKLTVDKSR WQQGNVFCSC
VMHEALHNNHY TQKLSLSLSPG K

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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