

PDGF R beta Protein, Rat (HEK293, His)

Cat. No.:	HY-P73360
Synonyms:	Platelet-derived growth factor receptor beta; PDGF-R-beta; PDGFR-1; CD140b; PDGFRB
Species:	Rat
Source:	HEK293
Accession:	Q05030 (L32-V531)
Gene ID:	24629
Molecular Weight:	80-110 kDa

PROPERTIES

AA Sequence	<pre> LVITPPGPEF VLNISSTFVL TCS SSPVMW EQMSQVPWQE AAMNQDGTFS SVLTLTNVTG GDTGEYFCVY NNSLGPELSE RKRIYIFVPD PTMGFLPMS EDLFI FVTDV TETTIPCRVT DPQLEVTLHE KKVDIPLHVP YDHQRGFIGT FEDKTYICKT TIGDREVDSD TYYVYSLQVS SINVS VNAVQ TVVRQGESIT IRCI VMGNDV VNFQW TYPRM KSGRLVEPVT DYLF GVP SRI GSILHIPTAE LSDSGTYTCN VSVSVNDHGD EKA INVTVIE NGYVRLLET L EDVQIAELHR SRTLQVVFEA YPTPSVLWFK DNRTLGDSSA GELVLSTRNV SETRYVSELT LVRVKVSEAG YYTMRAFHAD DQVQLSFKLQ VNV PVRVLEL SESH PANGEQ ILRCRGRGMP QPNVTWSTCR DLKRCPRKLS PTPLGNS SKE ESQLE TNVTF WEEDQEYEVV STLRLRHVDQ PLSVRCMLQN SMGRDSQEV T VVPHSLPFKV </pre>
Biological Activity	Human PDGFB, His Tag immobilized on CM5 Chip can bind Rat PDGF R beta, His Tag with an affinity constant of 67.56 nM as determined in SPR assay (Biacore T200).
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

PDGFRA is a receptor tyrosine kinase that binds to several ligands, including PDGFA, PDGFB, and PDGFD. These ligands can form homodimers or heterodimers, and binding of these ligands to PDGFRA activates several signaling cascades. The specific response depends on the ligand bound and can be modulated by the formation of heterodimers with another receptor, PDGFRB.

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

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