

Recombinant Human PDGFR beta protein ab151850

描述

产品名称	重组人PDGFR beta蛋白	
纯度	> 95 % SDS-PAGE. Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.	
内毒素水平	< 1.000 Eu/μg	
表达系统	HEK 293 cells	
Accession	<u>P09619</u>	
蛋白长度	Protein fragment	
无动物成分	No	
性质	Recombinant	
种属	Human	
序列		LVVTPPGPELVLVNSSTFVLTCSGSAPVWVERMSQEPPEMA KAQDGTFS SVLTLTNTLGLDTGEYFCTHNSRGLTDERKRLYIFVPDPT VGFLPNDA EELFIFLTEITEITIPCRVTDQPQLVVTLEHEKKGVALPVPYD HQRGFFGI FEDRSYICKTTIGDREVDSDAYVYRLQVSSINVSNAVQTV VRQGENIT LMCIVIGNEVVNFEWYPRKESGRLVEPVTDFLLDMPYHIRS ILHIPSAE LEDSGTYTCNVTESVNDHQDEKAINITVVESGYVRLLEGEVGT LQFAELHR SRTLQVVFEAYPPPTVLWFKDNRTLGDSSAGEIALSTRNVSE TRYVSELT LVRVKVAEAGHYTMRAFHEDAEVQLSFQLQINVPVRVLELSE SHPDSGEQ TVRCRGRGMPQPNI IWSACRDLKRCPRELPPTLLGNSSEEEES QLETNVTY WEEEQEFEVVSTLRLQHVDRPLSVRCTLRNAVQDQTQEVIVV PHSLPFVD HHHHHH
预测分子量	57 kDa including tags	
氨基酸	33 to 530	
标签	His tag C-Terminus	

技术指标

Our **Abpromise guarantee** covers the use of **ab151850** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE
	HPLC
形式	Lyophilized

制备和贮存

稳定性和存储	Shipped at 4°C. Store at -80°C. pH: 7.20 Constituents: 99% Phosphate Buffer, 0.88% Sodium chloride
复溶	Lyophilized from a 0.2 µM filtered solution. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in 1X PBS. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

常规信息

功能	Receptor that binds specifically to PDGFB and PDGFD and has a tyrosine-protein kinase activity. Phosphorylates Tyr residues at the C-terminus of PTPN11 creating a binding site for the SH2 domain of GRB2.
疾病相关	Note=A chromosomal aberration involving PDGFRB is found in a form of chronic myelomonocytic leukemia (CMML). Translocation t(5;12)(q33;p13) with EVT6/TEL. It is characterized by abnormal clonal myeloid proliferation and by progression to acute myelogenous leukemia (AML). Note=A chromosomal aberration involving PDGFRB may be a cause of acute myelogenous leukemia. Translocation t(5;14)(q33;q32) with TRIP11. The fusion protein may be involved in clonal evolution of leukemia and eosinophilia. Note=A chromosomal aberration involving PDGFRB may be a cause of juvenile myelomonocytic leukemia. Translocation t(5;17)(q33;p11.2) with SPECC1. Defects in PDGFRB are a cause of myeloproliferative disorder chronic with eosinophilia (MPE) [MIM:131440]. A hematologic disorder characterized by malignant eosinophils proliferation. Note=A chromosomal aberration involving PDGFRB is found in many instances of myeloproliferative disorder chronic with eosinophilia. Translocation t(5;12) with ETV6 on chromosome 12 creating an PDGFRB-ETV6 fusion protein. Note=A chromosomal aberration involving PDGFRB may be the cause of a myeloproliferative disorder (MBD) associated with eosinophilia. Translocation t(1;5)(q23;q33) that forms a PDE4DIP-PDGFRB fusion protein.
序列相似性	Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily. Contains 5 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 protein kinase domain.
翻译后修饰	Autophosphorylated. Dephosphorylated by PTPRJ at Tyr-751, Tyr-857, Tyr-1009 and Tyr-1021.
细胞定位	Membrane.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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