

RPCB1310

Product Information

Product SKU:	RPCB1310	Gene ID:	56744	Size:	10µg
Tag:	C-His	Reactivity:	Mouse		

Additional Information

Expression Host:	-	Swissprot:	Q9Z126
Purity:	> 90% by SDS-PAGE.		

Protein Information

Background: CXCL4/PF-4, Chemokine released during platelet aggregation that plays a role in different biological processes including hematopoiesis, cell proliferation, differentiation, and activation. Acts via different functional receptors including CCR1, CXCR3A or CXCR3B. Upon interaction with CXCR3A receptor, induces activated T-lymphocytes migration mediated via downstream Ras/extracellular signal-regulated kinase (ERK) signaling. Neutralizes the anticoagulant effect of heparin by binding more strongly to heparin than to the chondroitin-4-sulfate chains of the carrier molecule. Plays a role in the inhibition of hematopoiesis and in the maintenance of hematopoietic stem cell (HSC) quiescence. Chemotactic for neutrophils and monocytes via CCR1. Inhibits endothelial cell proliferation. In cooperation with toll-like receptor 8/TLR8, induces chromatin remodeling and activates inflammatory gene expression via the TBK1-IRF5 axis. In addition, induces myofibroblast differentiation and collagen synthesis in different precursor cells, including endothelial cells, by stimulating endothelial-to-mesenchymal transition.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Mouse CXCL4/PF-4 Protein, tested reactivity in Pichia and has been validated in SDS-PAGE. 100% guaranteed.

Endotoxin: < 0.1 EU/µg of the protein by LAL method

Formulation: Lyophilized from 0.22 µm filtered solution in 20mM pb,150mM Nacl ,1mM EDTA (pH 6.0). Normally 8% trehalose is added as protectant before lyophilization.

Storage: Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.