Rat PDGFR beta protein (Recombinant) (STJP000592)

GENERAL INFORMATION

Product Type	Proteins
Host / Source	HEK293

PRODUCT PROPERTIES

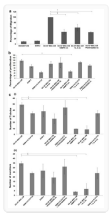
Formulation	Lyophilised 0.2 Mu m filtered PBS solution, pH7.2.
Molecular Weight	Recombinant rat PDGF-R beta is a monomer protein consisting of510 amino acid residue subunits, due to glycosylation migrates as an approximately 100 kDa protein on SDS-PAGE. NA
Storage Instruction	Can be stored in working aliquots at 2°C-8°C C for one month, or at-20°C C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles. NA

TARGET INFORMATION

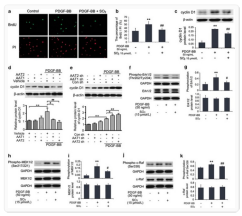
Gene ID	24629
Gene Symbol	Pdgfrb
UniProt ID	PGFRB_RAT
Immunogen Region	ECD

ADDITIONAL INFORMATION

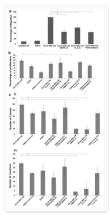
Note	STRICTLY FOR FURTHER RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



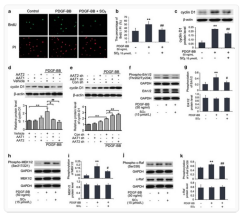
Oligodendrocyte. Cells were seeded at a concentration of 5,000 cells/cm2 on tissue culture plastic plates and coverslips and cultured in high glucose DMEM supplemented with 1% Penicillin/Streptomycin, 2 mmol/l L-Glutamine, 1X N1 supplement, 1 µg/ml biotin, 5 ng/ml bFGF, 1 ng/ml PDGF, and 30% B104-conditioned media for 1 day. On the second day, CG4 rat oligodendrocyte progenitor cells were added in a co-culture setting to promote differentiation, using co-culture membrane inserts, and the media were changed every 2 days. The cells were allowed to differentiate for 5 days and were then fixed and stored in PBS for immunofluorescence. Cells were subsequently assessed for expression of the oligodendrocyte markers O2 and NG2.



Control medium with recombinant (rec) IL-8 or PDGF-AB/BB was also included.



After being subcultured at a concentration of 1 × 106 cells/cm2, BM-MSCs were incubated in Alpha MEM containing 1 mM BME without serum for 24 h. The culture medium was then replaced with Alpha MEM containing 10% FBS and 35 ng/ml at-RA. After three days, the cells were finally transferred to inducer medium containing Alpha MEM, 10% FBS and trophic factors of 5 Mu M FSK, 10 ng/ml bFGF, 5 ng/ml PGF, and 200 ng/ml HG. The cells were cultured for 10 days [



Cells in coverslips were starved for 24 h and then pretreated with or without Na2SO3/NaHSO3 at 15 Mu mol/l for 30 min, as well as with PDGF-BB at 50 ng/ml treatment for 24 h for immunofluorescence assay of BrdU incorporation.