Rat PDGFR beta protein (Recombinant) (STJP000592)

STJP000592

GENERAL INFORMATION

Product Type Proteins

Short Description Recombinant-Rat PDGFR beta-protein was developed from hek293. For use in research applications.

Host/Source HEK293

PRODUCT PROPERTIES

Concentration

Formulation Lyophilised 0.2 Mu m filtered PBS solution, pH7.2.

Purification

Dilution Range >95%, as determined by SDS-PAGE and HPLC 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

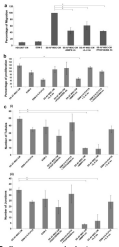
TARGET INFORMATION

Gene ID 24629

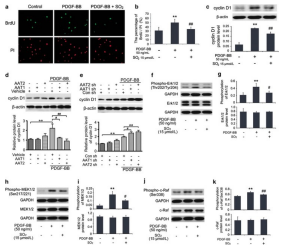
Gene Symbol Pdgfrb

Uniprot ID PGFRB_RAT

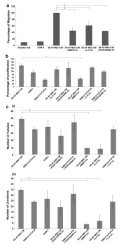
Immunogen Sequence



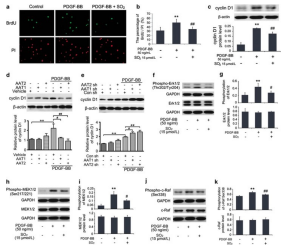
Oligodendrocyte. Cells were seeded at a concentration of 5,000 cells/cm2 on tissue culture plastic plates and coverslips and cultured in high glucose DMEM supplemented with 1% Penicillin/Streptomycin, 2 mmol/l L-Glutamine, 1X N1 supplement, 1Â Âµg/ml biotin, 5 ng/ml bFGF, 1 ng/ml PDGF, and 30% B104-conditioned 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 1âÂ¨106 cells/cm2, BM-MSCs were incubated in Alpha MEM containing 1Â mM BME without serum for 24Â h. The culture medium was then replaced with Alpha MEM containing 10% FBS and 35Â ng/ml at-RA. After three days, the cells were finally transferred to inducer medium containing Alpha MEM, 10% FBS and trophic factors of 5Â Mu M FSK, 10Â ng/ml bFGF, 5Â ng/ml PGF, and 200Â ng/ml HG. The cells were cultured for 10Â days [



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

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