

Product Datasheet

Recombinant Mouse PDGF-B Protein NBP2-53416-10ug

Unit Size: 10 ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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technical@novusbio.com

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NBP2-53416-10ug**Recombinant Mouse PDGF-B Protein**

Product Information	
Unit Size	10 ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	> 98 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 5.0.
Target Molecular Weight	24.4 kDa

Product Description	
Description	A disulfide-linked homodimeric protein containing two 109 amino acid polypeptide (B chain) chains corresponding to PDGF-B Source: <i>E. coli</i> Uniprot ID: P31240 Amino Acid Sequence: SLGSLAAAEPAVIAECKTRTEVFQISRNLIDRTNANFLVWPPCVEVQRCSGCCNNRNVQCRASQVQMRPVQVRKIEIVRK KPIFKKATVTLEDHLACKCE TIVTPRPVT
Gene ID	5155
Gene Symbol	PDGFB
Species	Mouse
Details of Functionality	PDGF-B protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine Balb/c 3T3 cells is less than 1.0 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^6$ IU/mg.
Endotoxin Note	Less than 0.1 EU/ug of PDGF-B as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

Publications

Li Z, Zheng M, Yu S et al. M2 Macrophages Promote PDGFR beta + Pericytes Migration After Spinal Cord Injury in Mice via PDGFB/PDGFR beta Pathway *Frontiers in Pharmacology* 2021-04-15 [PMID: 33935795]

Yang RC, Qu XY, Xiao SY et al. Meningitic Escherichia coli-induced upregulation of PDGF-B and ICAM-1 aggravates blood-brain barrier disruption and neuroinflammatory response *J Neuroinflammation* 2019-05-15 [PMID: 31092253]





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-53416-10ug

NBP2-52012-0.05mg	Recombinant Human PDGF-B His Protein
236-EG-200	EGF [Unconjugated]
NBP1-58279	PDGF-B Antibody
210-TA-005	TNF-alpha [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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