

Recombinant Mouse Platelet Derived Growth Factor BB (PDGF-BB)

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>95% as determined by SDS	-	100 μg	1 mg	
25.0 kDa (homodimer), 12.5 3	-			
>95% as determined by SDS	-			
<u>-</u>	DACE analysis	25.0 kDa (homodimer), 12.5 kDa per subunit.		
SLGSLAAAEP AVIAECKTE	>95% as determined by SDS–PAGE analysis.			
SLGSLAAAEP AVIAECKTRT EVFQISRNLI DRTNANFLVW PPCVEVQRCS GCCNNRNVQC RASQVQMRPV QVRKIEIVRK KPIFKKATVT LEDHLACKCE TIVTPRPVT				
ED ₅₀ range = 1–5 ng/mL (Specific Activity: 1×10^6 to 2×10^5 , determined by the dose-dependent proliferation of BALB/c 3T3 cells. The optimal concentration for each specific application should be determined by an initial dose-response assay.				
Lyophilized, carrier free.				
Filtered prior to lyophilization through a 0.22 micron sterile filter.				
<0.1 ng/µg				
Recombinant mouse PDGF-BB is produced in E. coli and purified via sequential chromatography.				
Lyophilized mouse PDGF–BB should be reconstituted in 100 mM acetic acid containing 0.1% BSA to $0.1-1.0$ mg/mL to regain full activity. Stock solutions should be apportioned into working aliquots and stored at $\leq -20^{\circ}$ C. Further dilutions should be made in low endotoxin medium or buffered solution with FBS or tissue culture grade BSA.				
The optimal concentration sl	nould be determined for each	specific application.		
Expires one year from date of	of receipt when stored as inst	ructed.		
 Bonthron, D.T., P. Sultan, and T. Collins (1991) Structure of the murine c-Sis proto-oncogene (Sis, PDGFB) encoding the B chain of platelet-derived growth factor. Genomics 10:287–292. Kim, H.R., S. Upadhyay, S. Korsemeyer, and T.F. Deuel (1994) Platelet-derived growth factor (PDGF) B and A homodimers transform murine fibroblasts depending on the genetic background of the cell. J. Biol. Chem. 269:30604–30608. Hoppe, J., V. Hoppe, T.A. Karenberg, A. Fenn, A. Simm, and A. Sachinidis (1994) Differential activation by platelet-derived growth factor-BB of mitogen activated protein kinases in starved or nonstarved AKR-2B fibroblasts. J. Cell. Physiol. 161:342–350. Patel, B.K., L. Wang, C.C. Lee, W.G. Taylor, J.H. Pierce, and W.J. LaRochelle (1996) STAT6 and JAK1 are common elements in the platelet-derived growth factor and interleukin-4 signal transduction pathways in NIH 3T3 fibroblasts. J. Biol. Chem. 271:22175–22182. Chaudhary, L.R. and K.A. Hruska (2001) The cell survival signal Akt is differentially activated by PDGF-BB, EGF, 				
	Lyophilized, carrier free. Filtered prior to lyophilization (0.1 ng/μg) Recombinant mouse PDGF— Lyophilized mouse PDGF— Ly	Eiltered prior to lyophilization through a 0.22 micron ster (0.1 ng/μg) Recombinant mouse PDGF–BB is produced in <i>E. coli</i> and Lyophilized mouse PDGF–BB should be reconstituted in 0.1–1.0 mg/mL to regain full activity. Stock solutions should be made in low endoto culture grade BSA. The optimal concentration should be determined for each Lyophilized mouse PDGF–BB should be stored at 2°C to PDGF-BB at ≤ −20°C (not in a frost-free freezer). Keep freezer (see Figure 1) and T. Collins (1991) Structure encoding the B chain of platelet-derived growth factor (sim, H.R., S. Upadhyay, S. Korsemeyer, and T.F. Deuel (homodimers transform murine fibroblasts dependin 269:30604–30608. Hoppe, J., V. Hoppe, T.A. Karenberg, A. Fenn, A. Simm, a platelet-derived growth factor-BB of mitogen activate fibroblasts. J. Cell. Physiol. 161:342–350. Patel, B.K., L. Wang, C.C. Lee, W.G. Taylor, J.H. Pierce, an elements in the platelet-derived growth factor and ir fibroblasts. J. Biol. Chem. 271:22175–22182. Chaudhary, L.R. and K.A. Hruska (2001) The cell surviva	Lyophilized, carrier free. Go.1 ng/μg Recombinant mouse PDGF–BB is produced in <i>E. coli</i> and purified via sequential chror Lyophilized mouse PDGF–BB should be reconstituted in 100 mM acetic acid containing.1–1.0 mg/mL to regain full activity. Stock solutions should be apportioned into wor size −20°C. Further dilutions should be made in low endotoxin medium or buffered soluralture grade BSA. The optimal concentration should be determined for each specific application. Lyophilized mouse PDGF–BB should be stored at 2°C to 8°C, preferably desiccated. St	

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description
REF	Catalog Number
RUO	Research Use Only
	Use by
	Manufacturer
[-]	Without, does not contain
from Light	Protect from light
<u> </u>	Directs the user to consult instructions for use (IFU), accompanying the product.

Symbol	Description
LOT	Batch code
IVD	In vitro diagnostic medical device
1	Temperature limitation
EC REP	European Community authorized representative
[+]	With, contains
Ţ	Consult accompanying documents

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