GENAXXON bioscience

Application Note 1

fon:
+49 (0)731 - 3608 123
fax:
+49 (0)731 - 3608 962
eMail:
info@genaxxon.com
internet:
www.genaxxon.com

Direct RT-PCR from tissue with Genaxxon HotScriptase Cell mastermix without isolation or purification of RNA before PCR.

Tissue: mouse brain
Sample: Laser microdissection sample
Method: Direct RT-PCR without reverse transcription step!

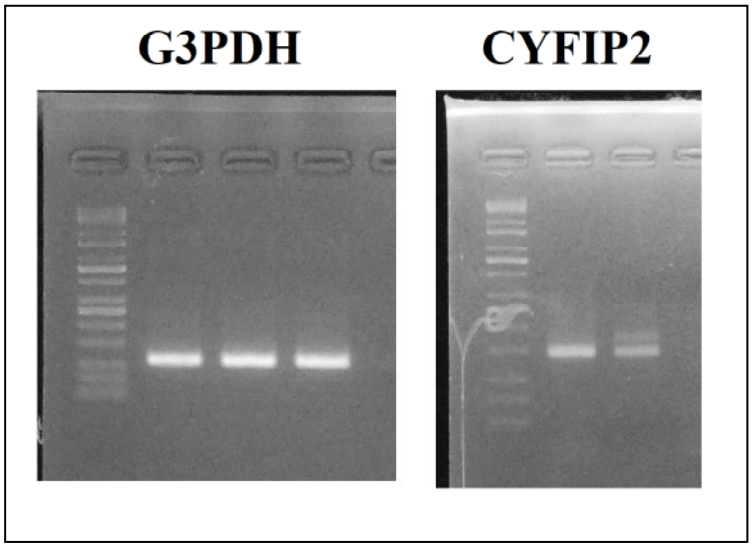
Short description of sample processing

Laser microdissection sample

Cryosectioning mouse brain (15µm)
Mount the sections on microdissection slides
Fix in ice-cold 95% EtOH with 5% acetic acid for 1min
Wash in ice-cold H_2O (three times) and dry-up
Laser microdissection (φ1mm)

RT-PCR Mix

RNA sample: laser microdissection sample (one piece (φ1mm, 15µm thickness))
12.5µL of HotScriptase Cell Master Mix
0.4µM Primer Fw
0.4µM Primer Rv
10.5µL H_2O

PCR Reaction

95℃ 3min
95℃ 15sec
68℃-- 60sec (40 cycles)