Supplementary table

Table S1. Primers used in Q-PCR analysis

Primers	Sequence (5'-3')
Neurod1-F	ATGGACAGCTCCCACGTCTT
Neurod1-R	GCTCATGATGCGAATGGCTA
Tuj1-F	TATCTTCGGTCAGAGTGGTG
Tuj1-R	CATCCAGGACTGAGTCCAC
RhoA-F	CAGAGGTTTATGTGCCCAC
RhoA-R	ATAAAGCCAACTCTACCTGC
Rac-F	GCTGAAGGAGAAGAAGCTG
Rac-R	AGGTATTTGACAGCACCGA
GAPDH-F	AACTCCCATTCTTCCACCT
GAPDH-R	TTGTCATACCAGGAAATGAG

Supplementary figures and captions

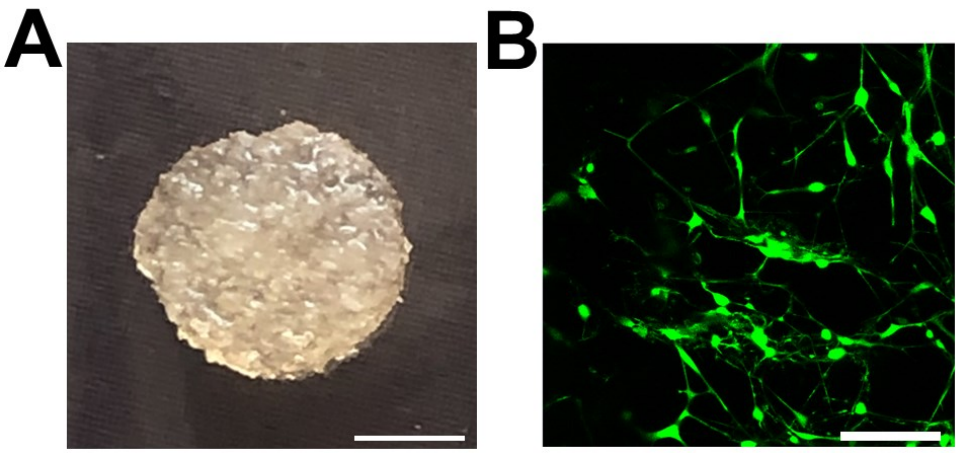

Figure S1. A. The collagen scaffold seeded with spinal cord neural stem cells (NSCs). **B**. Fluorescein diacetate staining of spinal cord NSCs seeded in the scaffold.

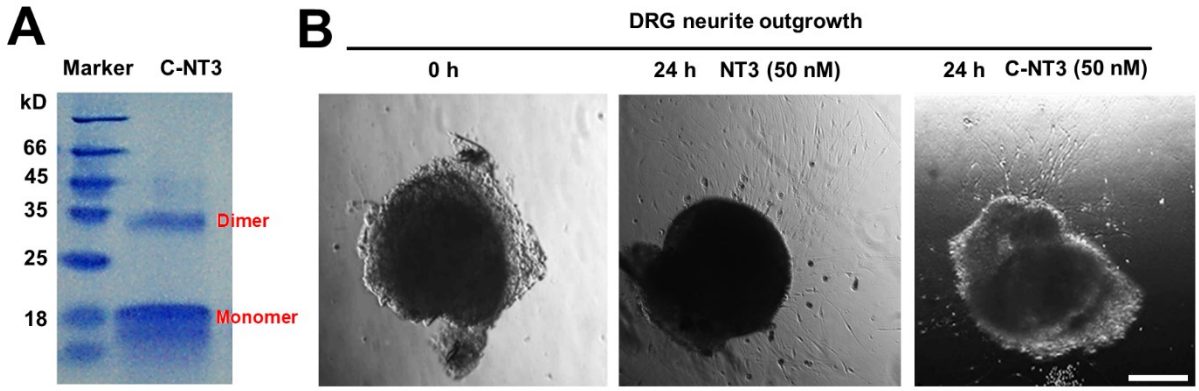

Figure S2. A. Sodium dodecyl-sulfate polyacrylamide gel electrophoresis showing the purification of C-NT3. B. A dorsal root ganglia neurite outgrowth assay showed that addition of 50 nM C-NT3 and NT3 have comparable bio-activity on promoting neurite extension. Scale bars represent 200 μm in B.

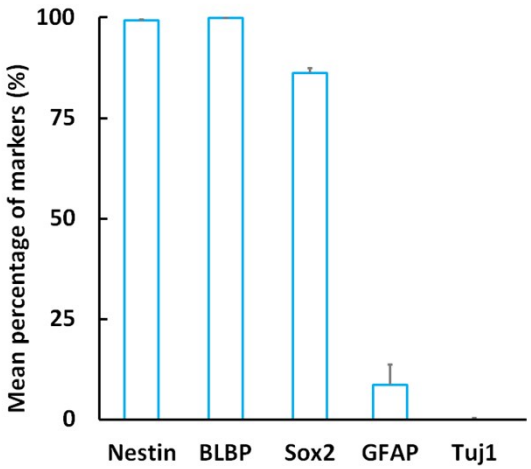

Figure S3. Mean percentage of NSCs expressing different markers in B.

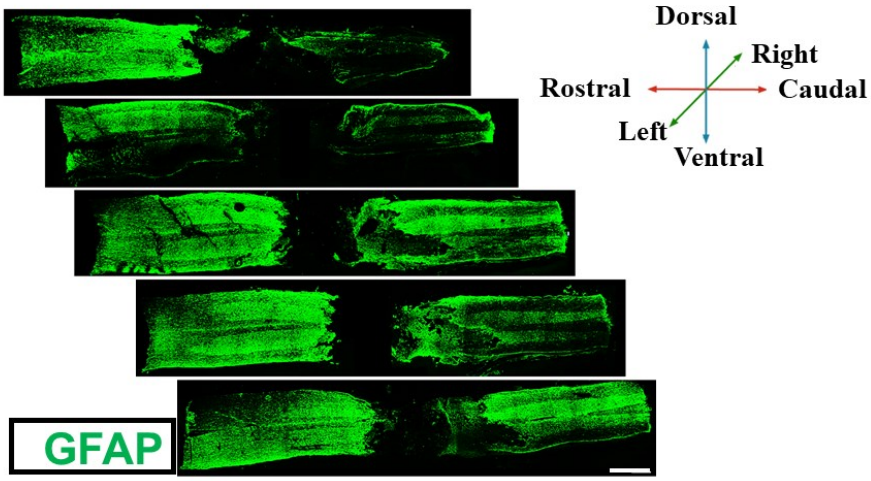

Figure S4. Establishment of the complete spinal cord injury transection model.