

Supplementary information

NF- κ B p65 directs sex-specific neuroprotection in human neurons

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Supplementary Table S1: Primer sequences for real-time polymerase chain reaction.

Target	Sequence 5'-3'
IGF1 (Insulin-like growth factor 1)	GAAGATGCACACCATGTCCT
Rev- IGF1	TAAAAGCCCCTGTCTCCACA
IGF2 (Insulin-like growth factor 2)	TGGACTTGAGTCCCTGAACC
Rev- IGF2	GATGGCCAGTTTACCCTGAA
PKAcata α (c-AMP-dependent protein kinase catalytic subunit α)	TACAACAAGGCCGTGGACTG
Rev- PKAcata α	AGATCTGGATGGGCTGGTCT
SOD2 (Superoxide dismutase 2)	TGGAAGCCATCAAACGTGACT
Rev- SOD2	TTGAAACCAAGCCAACCCCA
cIAP1 (Cellular inhibitor of apoptosis protein 1)	CCACTGGAGAAGAAAATGCTG
Rev- c-IAP1	CCAAGGCAGATTTAACCACA
c-IAP2 (Cellular inhibitor of apoptosis protein 2)	GACAGCCCAGGAGATGAA AA
Rev- c-IAP2	CACGGCAGCATTAAATCACAG
RPLP0 (Ribosomal Protein Lateral Stalk Subunit P0)	TGGGCAAGAACACCATGATG
Rev-RPLP0	AGTTTCTCCAGAGCTGGGTTGT
β -actin (beta actin)	TCCCTGGAGAAGAGCTACGA
Rev- β -actin	AGCACTGTGTTGGCGTACAG

Supplementary Figure 1

Full-length figures of gels showing the RT-PCR of differentiated ITSCs. The grouped gels in Fig. 1k were cropped from different parts of the same gel or from different gels as depicted here. In particular, mRNA levels were analysed for Nestin, MAP-2, Synaptophysin, AMPA receptor subunit 1, NMDA Receptor subunit 1, vesicular glutamate transporter 1, and glutamate metabotropic receptor 1 after neuronal differentiation. RPLP0, GAPDH and eEF2 served as housekeeping genes. NTC: non-template-control. The first 4 figures show gels ran in parallel on the same experiment, the last two gels also ran in parallel. For the last gels, two donors were shown after 0 and 30 days of differentiation respectively.









