

Table S1. Oligonucleotide primers used for real-time PCR analysis

Gene	Primer sequence (5' – 3')	
Human IDE	Forward primer :	TGCCCTAGACAGGTTGCAC
	Reverse primer :	CTCCAGGCATCATTATCACAT
Human NEP	Forward primer :	GATCAGCCTCTCGGTCCTTG
	Reverse primer :	TGTTTTGGATCAGTCGAGCAG
Human β -actin	Forward primer :	CTTCCTGGGCATGGAGTC
	Reverse primer :	AGCACTGTGTTGGCGTACAG
Mouse IDE	Forward primer :	CCGGCCATCCAGAGAATAGAA
	Reverse primer :	ACGGTATTCCCGTTTGTCTTCA
Mouse NEP	Forward primer :	GAGCCCCTTACTAGGCCTGTGT
	Reverse primer :	CTCGATTACAGACATAGGCTTTCTAAA
Mouse β -actin	Forward primer :	GGCTGTATTCCCCTCCATCG
	Reverse primer :	CCAGTTGGTAACAATGCCATGT

Table S2. Quantification of Western blot analysis

Cell lines	Ginsenoside F1 (μ M)	Relative expression level (compare to β -actin)				
		0	1	2.5	5	10
Neuro 2 a	Extra IDE	0.060297262	0.056816089	0.072337993	0.070475163	0.068852188
		± 0.00490975	± 0.00488863	± 0.00478263	± 0.00813391	± 0.00685621
	Intra IDE	0.064507161	0.099518976	0.083360618	0.102620078	0.053867472
		± 0.00550610	± 0.00719678	± 0.00480450	± 0.01086344	± 0.00456915
SH-SY5Y	Extra NEP	0.140661029	0.03809949	0.052350845	0.050497053	0.041912808
		± 0.16850375	± 0.00043241	± 0.00023394	± 0.00044273	± 0.00054702
	Intra NEP	0.031775973	0.017398984	0.058364351	0.09337957	0.081860579
		± 0.00446764	± 0.00311185	± 0.00575529	± 0.01312376	± 0.00974111
	Extra IDE	0.016166548	0.014904626	0.017345037	0.042489446	0.069213963
		± 0.00050224	± 0.00046054	± 0.00037325	± 0.00076560	± 0.00326720
	Intra IDE	0.097198707	0.184624739	0.136852251	0.18602652	0.169503936
		± 0.11074645	± 0.20917092	± 0.15541457	± 0.21010480	± 0.19178243
	Extra NEP	0.040847406	0.045906719	0.061102445	0.103538657	0.065748978
		± 0.0042865	± 0.00174226	± 0.0018077	± 0.0035553	± 0.00200912
	Intra NEP	0.058934134	0.072746579	0.068442722	0.069664999	0.043325967
		± 0.0079543	± 0.00993095	± 0.008048348	± 0.00874212	± 0.006726617