

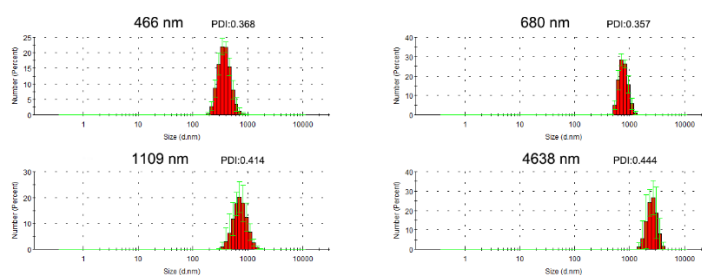
# 1 Supplementary data

Genes	Primer Sequences	Annealing Temperature
Nestin	F: CCCTGAAGTCGAGGAGCTG	60°C
	R: CTGCTGCACCTCTAAGCGA	
Tuj1	F: TAGACCCCAGCGGCAACTAT	60°C
	R: GTTCCAGGTTCCAAGTCCACC	
GFAP	F: GGGGCAAAAAGCACCAAAGAAG	60°C
	R: GGGACAACCTTGATTGTGAGCC	
Rap1	F: ATGCGTGAGTACAAGCTAGTAGT	60°C
	R: GCGAAGCCTTGTCGGTCT	
Vinculin	F: GAGGCTGAACTGCTTCAATCA	60°C
	R: CCAGATTGACGAGGTGCCTA	
Paxillin	F: GGCATCCCAGAAAATAACACTCC	60°C
	R: GCCCTGCATCTTGAAATCTGA	
Gapdh	F: AGGTCGGTGTGAACGGATTG	60°C
	R: TGTAGACCATGTAGTTGAGGTCA	
TRPC2	F: CTCAAGGGTATGTTGAAGCAGT	60°C
	R: GTTGTTTGGGCTTACCACACT	

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3 Figure. S1. Primer sequences for real-time PCR of target genes.

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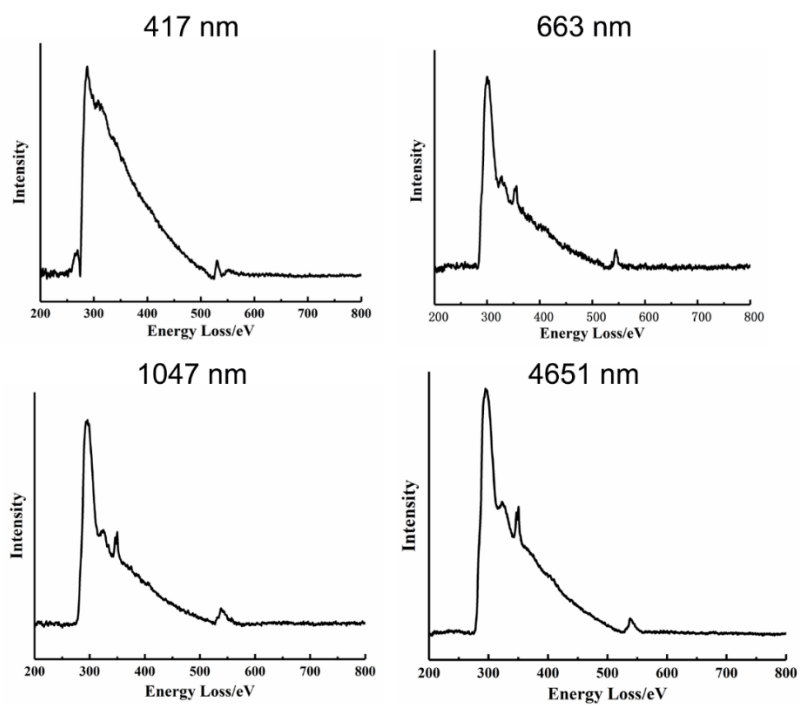


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6 Figure. S2. Size distributions of GO NPs in cellular medium.

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10 Figure.S3. The EELS Spectrum of Graphene Oxide.