

Supplementary Materials

Evidence of Lysosomal β -Hexosaminidase Enzymatic Activity Associated with Extracellular Vesicles: Potential Applications for the Correction of Sandhoff Disease

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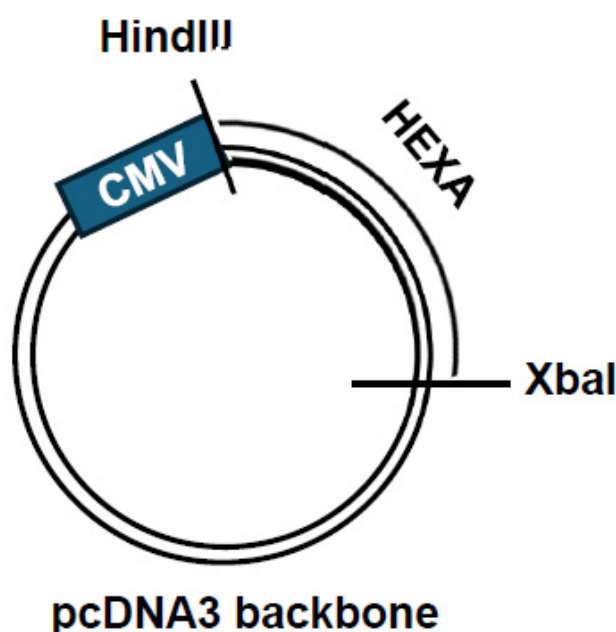


Figure S1. Map of the cDNA vector encoding for β -hexosaminidase α -subunit. The sequence was inserted into HindIII/XbaI sites of the pcDNA3 backbone, expressed under the control of CMV promoter. The original α -subunit sequence was from ATCC #57206.

Table S1. GM3 lipid species peak area*.

Lipid Class	Compound	Acyl side chains	CTRL			Hek-HexA-EVs		
			No.1	No.2	No.3	No.1	No.2	No.3
GM3	GM3(d34:1)	GM3(d18:1/16:0)	325200	282323	338077	401742	410372	396842
GM3	GM3(d42:2)	GM3(d18:1/24:1)	142334	132775	139883	346817	320483	303861
GM3	GM3(d42:1)	GM3(d18:1/24:0)	296526	428307	311435	427653	311950	309833

* normalized for cell number.