

## **Supporting Information**

### **Biodistribution of site-specifically PEGylated fibroblast growth factor-2**

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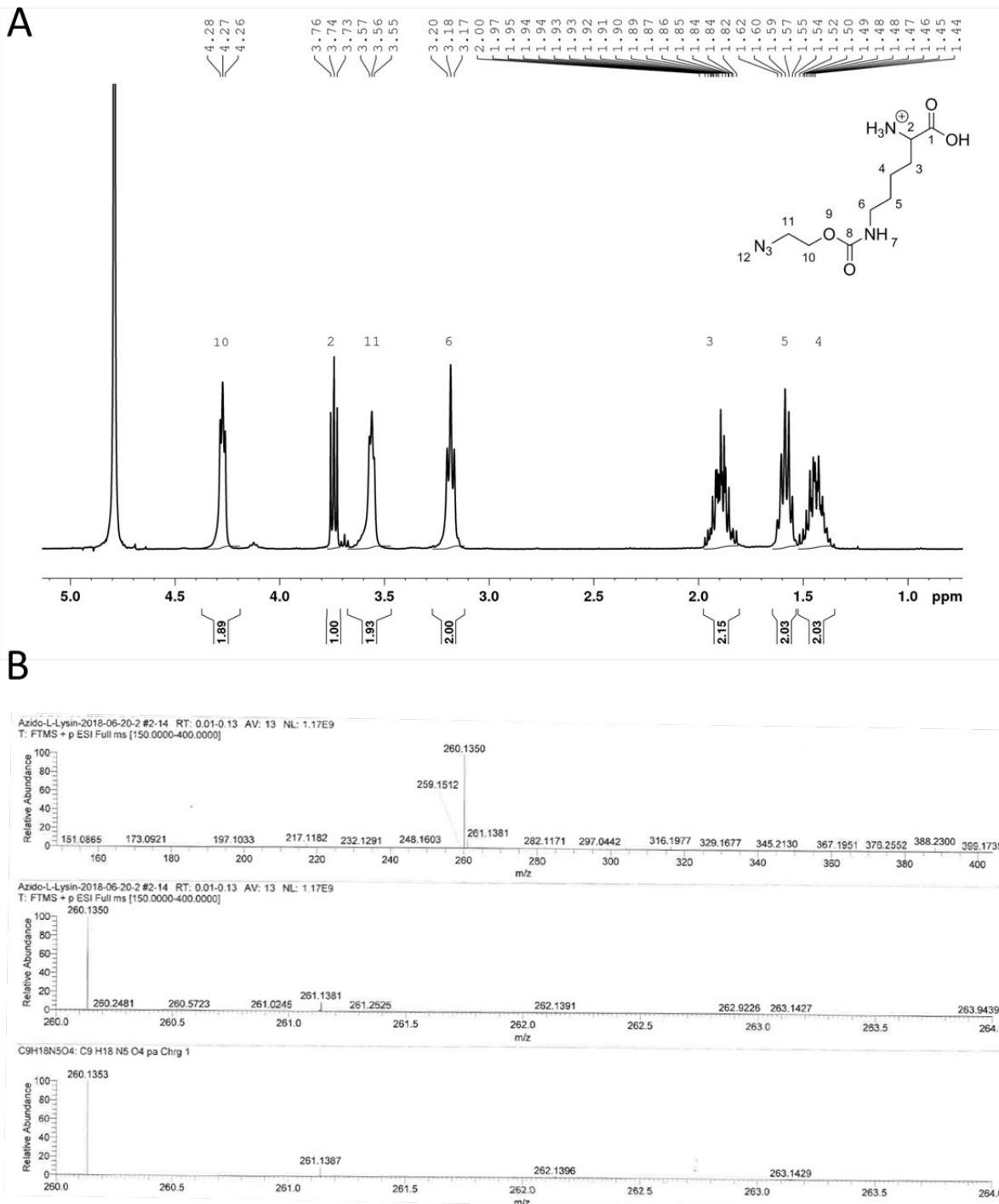
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Number of pages: S1–S4

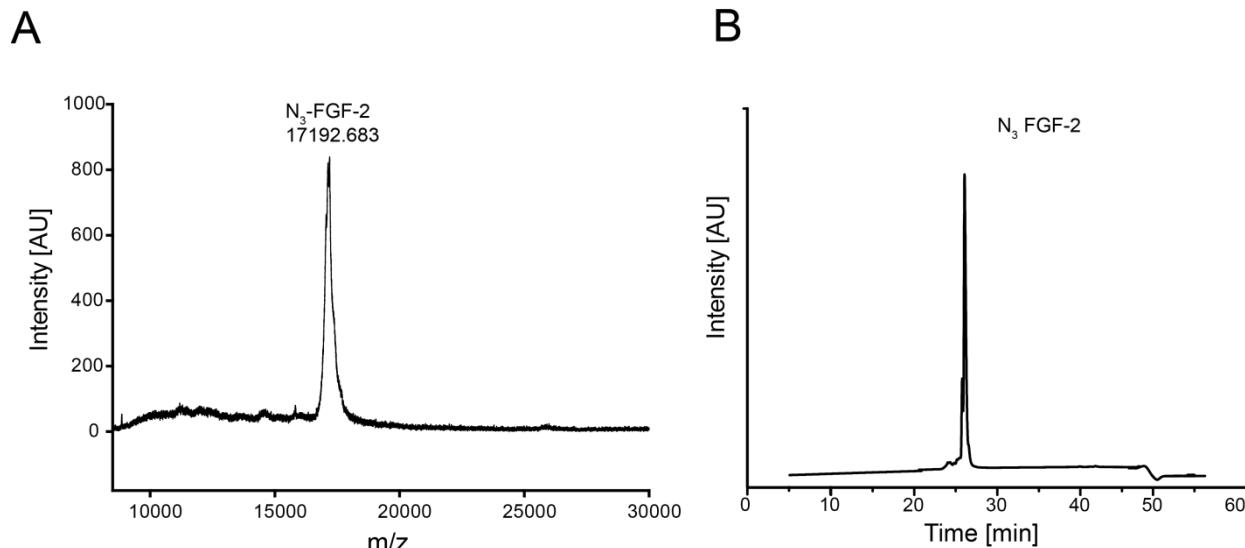
Number of figures: S1–S4

Number of tables: None



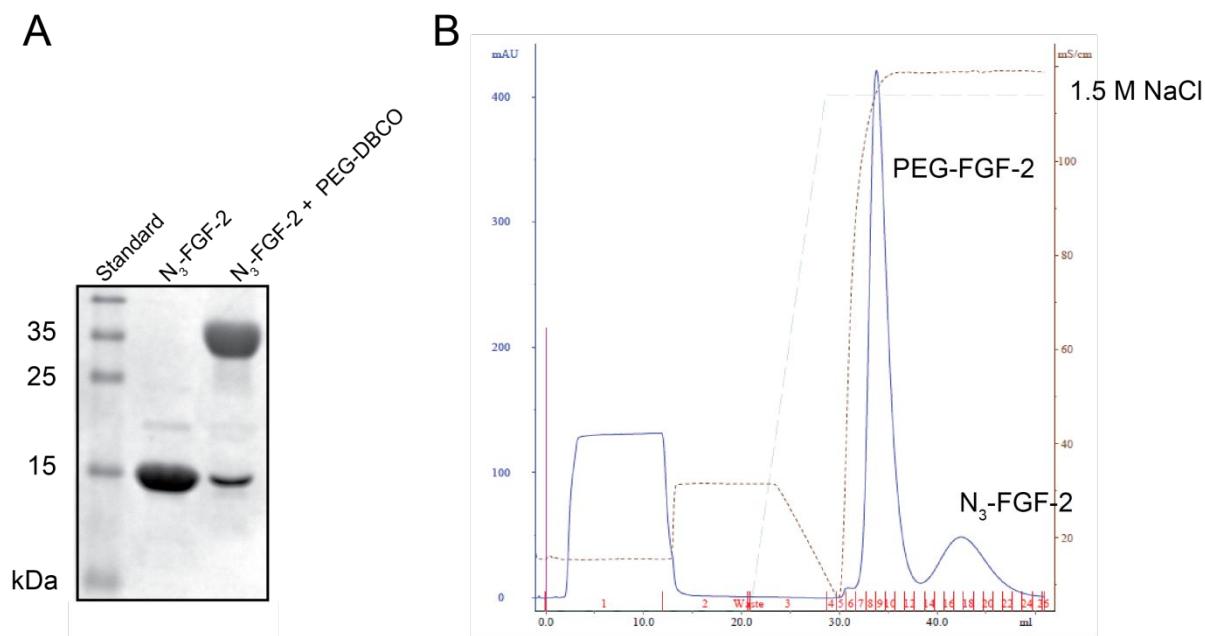
**Figure S1 (A)**  $^1\text{H}$ -NMR spectra and (B) HRMS Esi-pos spectra of synthesized  $\text{N}_3\text{-L-Lysine}$ .

Observed average mass  $[\text{M}^+] = 260.135 \text{ Da}$ , calculated average mass  $[\text{M}^+] = 260.128 \text{ Da}$ .

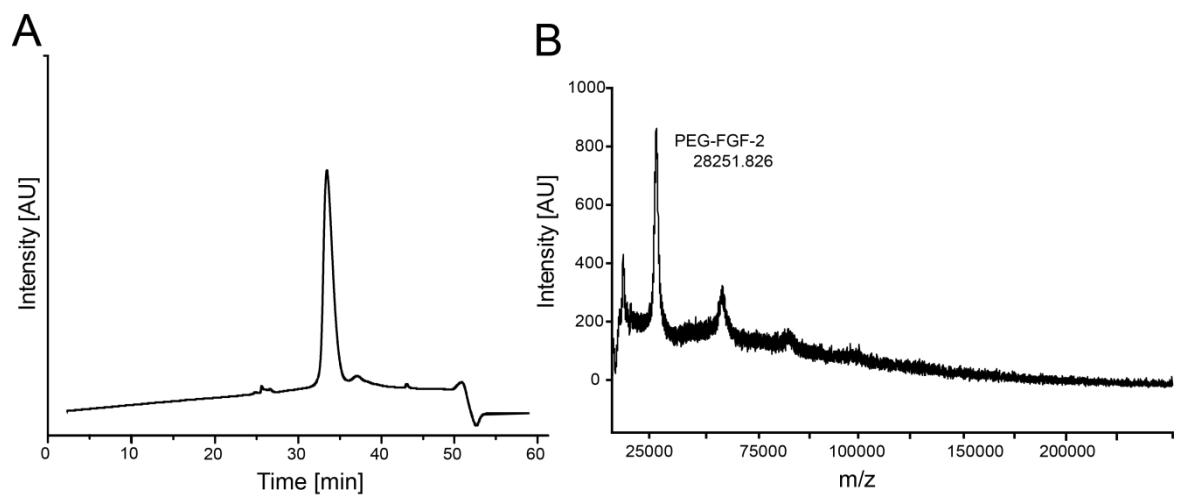


**Figure S2.** MALDI MS analysis of  $N_3\text{-FGF-2}$  (A) and (B) RP-HPLC analysis of  $N_3\text{-FGF-2}$ .

Obs. Average mass ( $N_3\text{-FGF-2}$ ) = 17192.68 Da, calc. average mass = 17175.44 Da. Obs.



**Figure S3.** (A) SDS-PAGE after SPAAC between  $N_3\text{-FGF-2}$  and DBCO-PEG. (B) Heparin affinity chromatography after SPAAC between  $N_3\text{-FGF-2}$  and DBCO-PEG detailing separation of PEG-FGF-2 and  $N_3\text{-FGF-2}$  during elution with 1.5 M NaCl.



**Figure S4.** RP-HPLC (A) and MALDI MS analysis (B) of PEG-FGF-2. Obs. average mass = 28251.83 Da.