FIG. 1

All column purification process

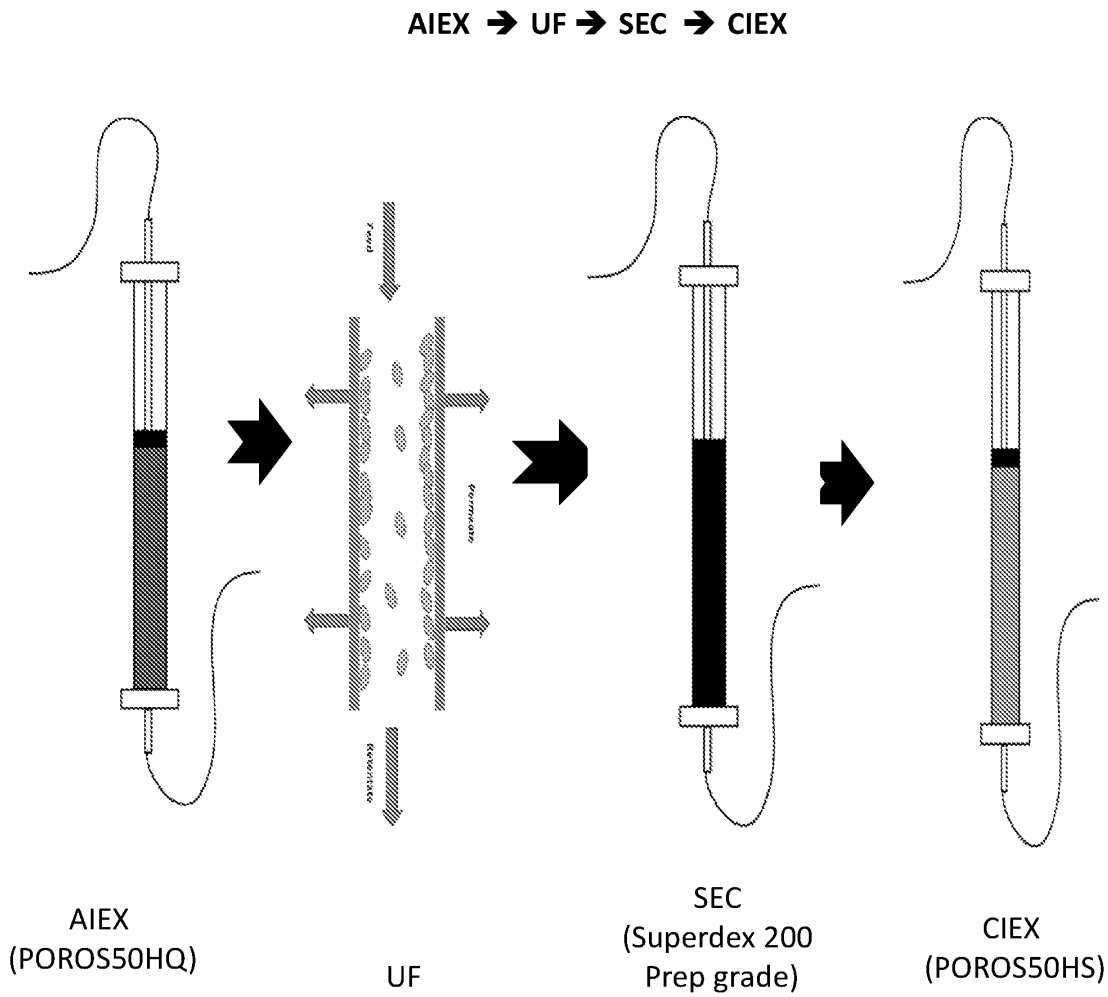


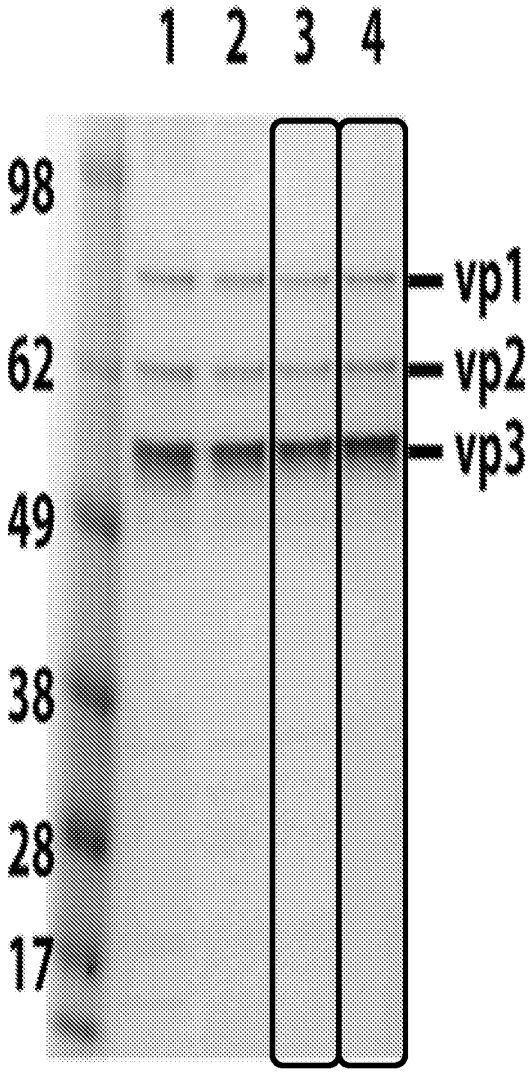
FIG. 2

All column purification process

- Ion Exchange column chromatography
- Size Exclusion column chromatography
- Affinity column chromatography
- PEG-modulated column chromatography
- Surfactant-enhanced column chromatography

FIG. 3

All column purification process



1. AVB
2. AVB > CIEX > AIEX
3. AVB > AIEX
4. CIEX > UF/DF > SEC > AIEX (50-60

50-60% vector recovery