



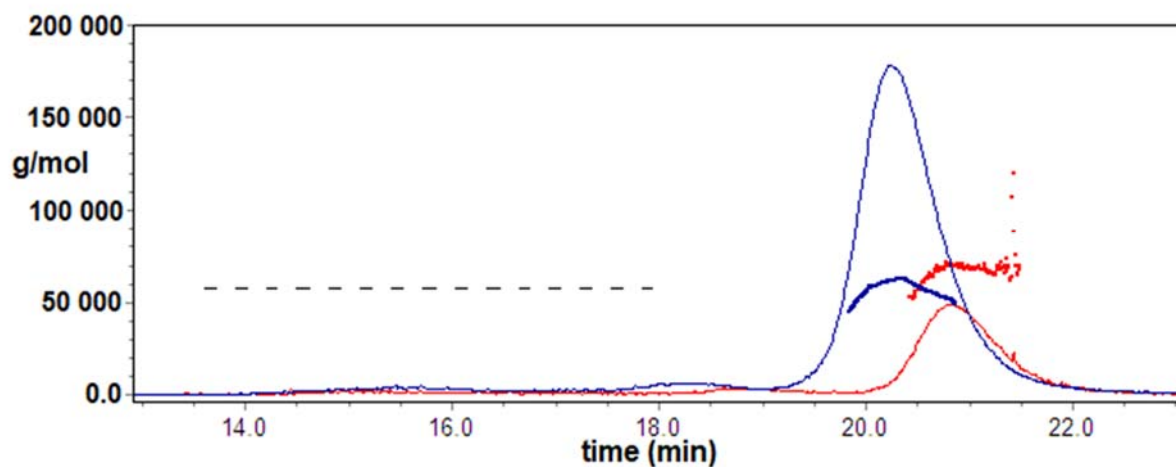
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**Supporting information for article:**

**Monomeric crystal structure of the vaccine carrier protein CRM<sub>197</sub>  
and implications for vaccine development**

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**Figure S1** Superposed chromatograms showing the scattered light intensity (Rayleigh ratio) over size-exclusion chromatography (SEC) elution time for two runs of the crystallized CRM197 sample on different days. Also shown are the calculated molar mass values (thick lines, units of g/mol) across the two peaks, which both correspond closely to the predicted value of ~58 kDa (dashed line) for monomeric CRM197. SEC-coupled static multi-angle static light scattering was used to measure the native molar mass in solution. This method uses refractive index as a proxy for concentration, which along with Rayleigh ratio can be used to calculate the MW for pure species. The SEC column used was a Tosoh TSKgel SuperSW2000, the running buffer was 50 mM NaCl, 20 mM His, pH 7.5, and the instrument was a Mini Dawn running ASTRA software from Wyatt Technologies