

Crystal structure of a proteolytic fragment of the sensor histidine kinase NarQ

Ivan Gushchin *, Igor Melnikov, Vitaly Polovinkin, Andrii Ishchenko, Valentin Gordeliy *

Correspondence: ivan.gushchin@phystech.edu (I.G.), valentin.gordeliy@ibs.fr (V.G.)

Supplementary information

Supplementary figures S1-S2

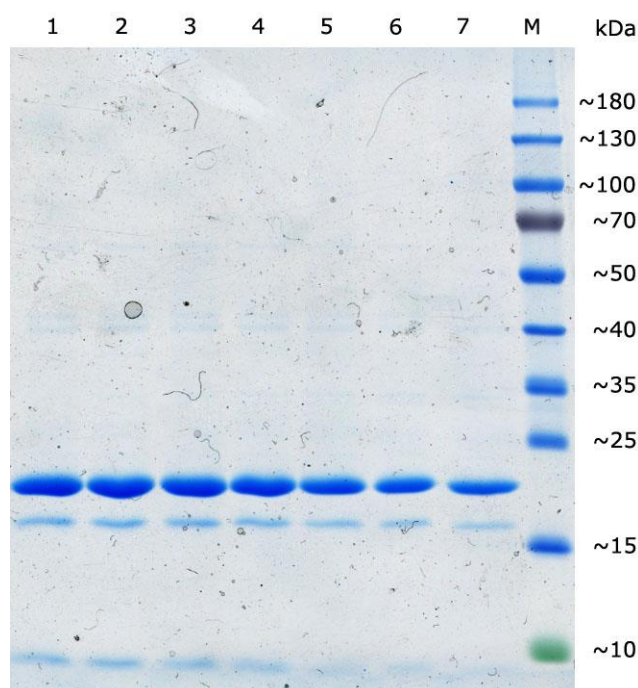


Figure S1. SDS-PAGE of the NarQ sample used for crystallization. Lanes 1-7 correspond to the peak fractions from SEC chromatography, lane M is Page Ruler™ prestained protein ladder (Fermentas).

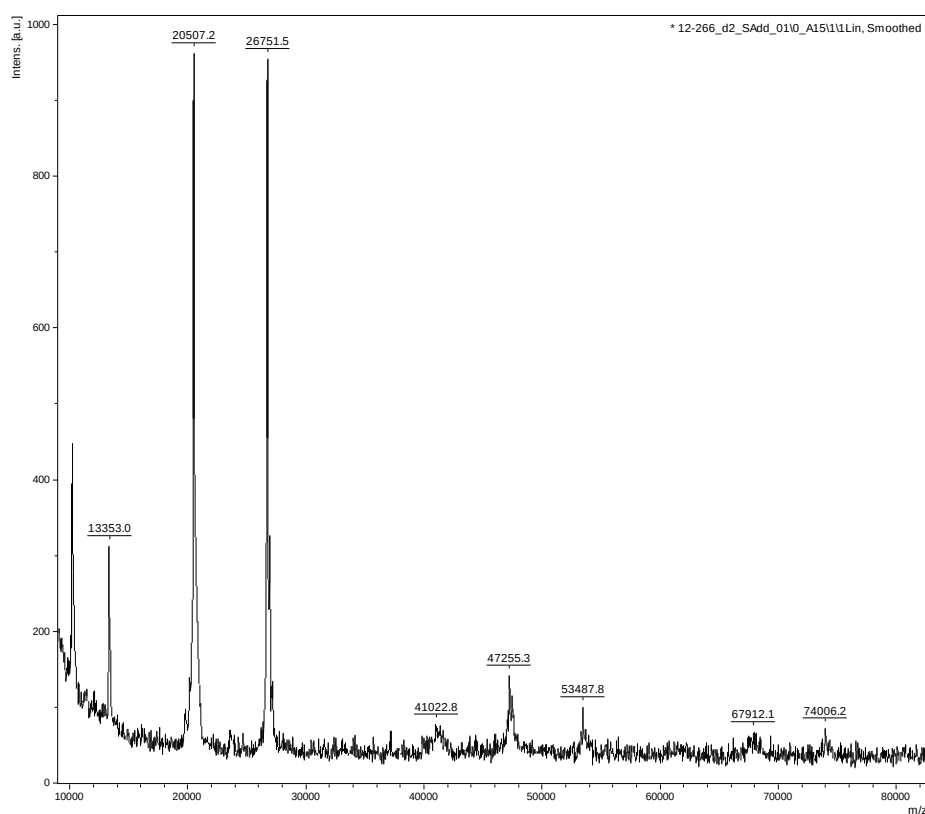


Figure S2. MALDI-TOF MS spectrum of the NarQ sample used for crystallization. The major peaks correspond to molecular weights of 26751.5 Da, close to the expected MW of 26780 Da, and 20507 Da. Peaks at 13353.0 and 10216.2 are interpreted as double charged ions of the major species, whereas the other peaks correspond well to homo- and hetero- dimers and trimers of the major species.