



Figure. Preliminary data of NADPH Oxidase 5 (NOX5) structural analysis

A. Purification of NOX5. Gel filtration chromatography of NOX5, showing monodispersed peak on Superose 6 column with the SDS-PAGE of the peak fraction on the right. The red star indicates the NOX5 protein band.

B. A representative micrograph of the NOX5 grid screened on our 200-kV Arctica.

C. 2D classification of NOX5. Data was obtained from 1046 micrographs from an Arctica data collection session (pixel size: 1.04 Å).

D. A ~6-Å map of the NOX5 reconstruction from the Arctica data collection session in C. About 80k particles was used in the final refinement.

E. Orientation distribution of the particles used in the final refinement.