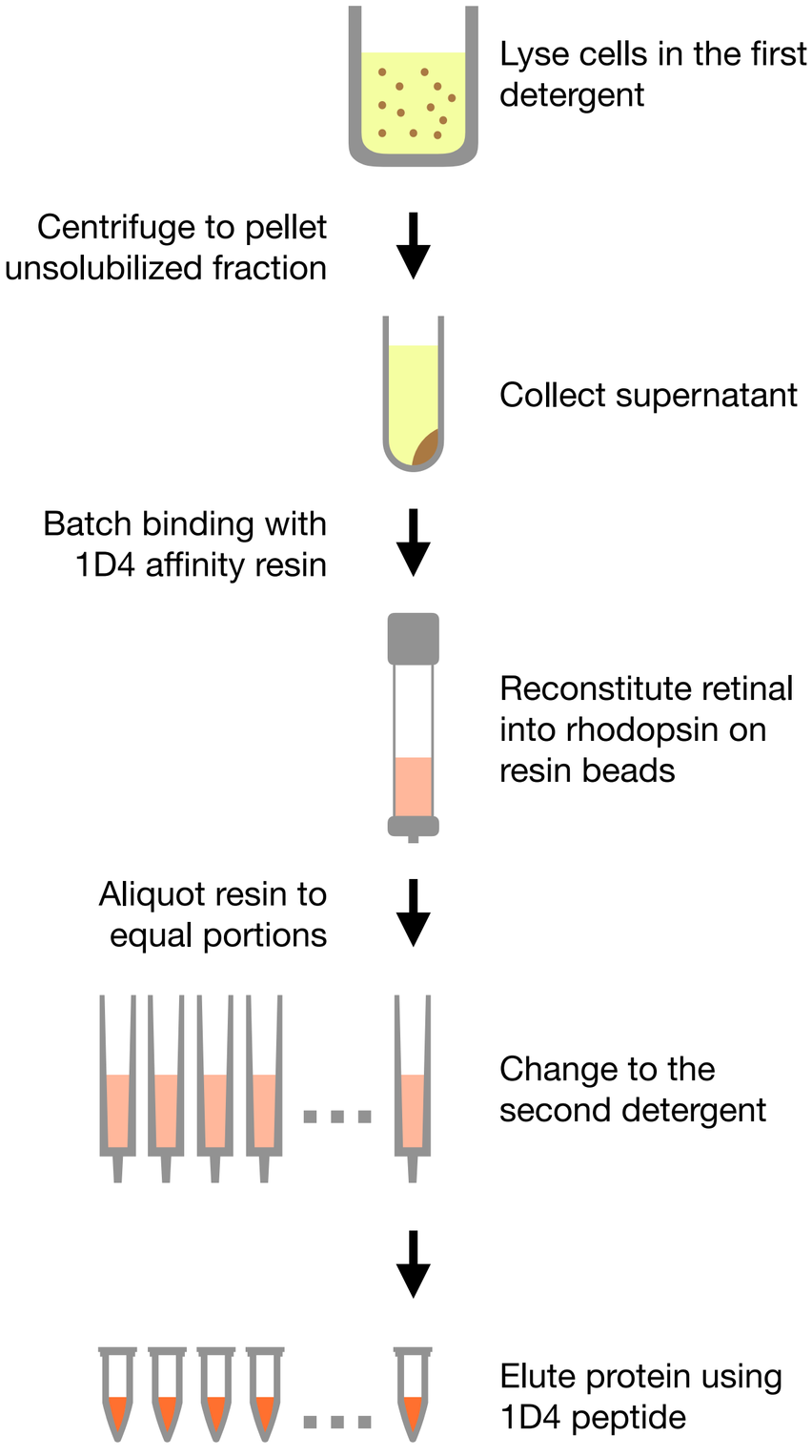
A Sample preparation

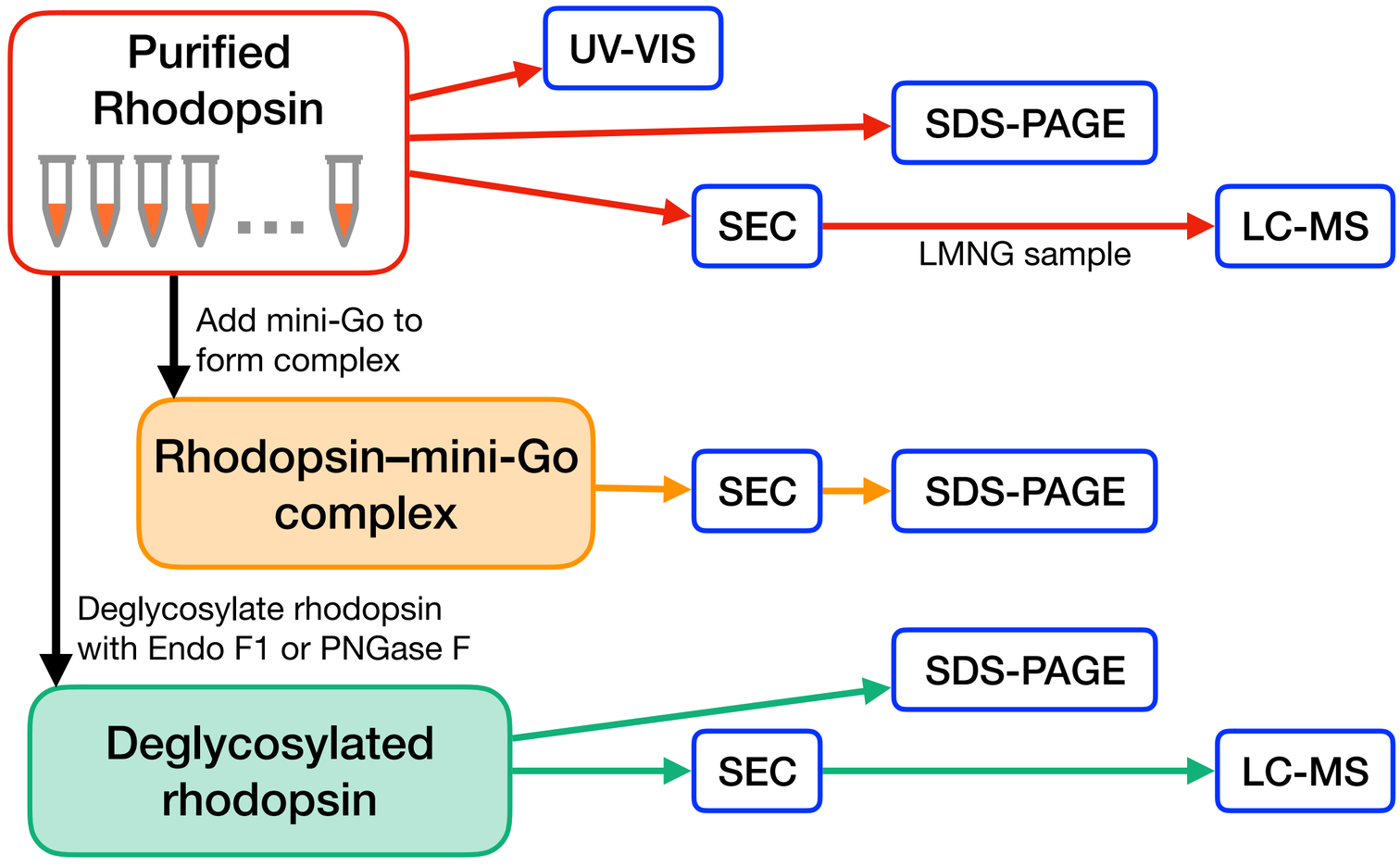


B Methods

UV-VIS spectroscopy
Characterize optical property of rhodopsin before and after illumination

SEC
Reveal sample purity and protein monodispersity

LC-MS
Identify the mass of each protein component

SDS-PAGE
Reveal protein compositions by molecular weight

C Experimental workflow