

An Improved Assay for the Spectrophotometric Determination of Chondroitinase ABC Activity

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Supporting Information

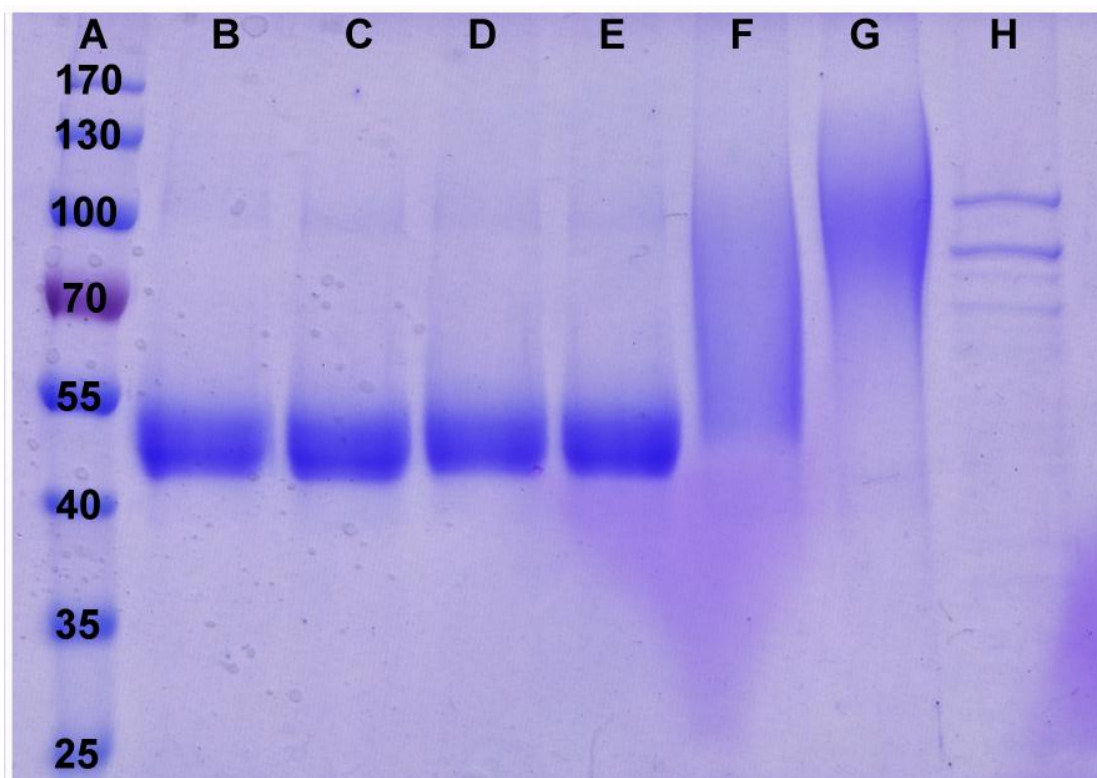


Figure S1 – SDS-PAGE analysis of degradation products from heat treated chABC alone, with decorin as substrate (i.e. no trehalose added). A) Ladder, B) 0 days, C) 5 days, D) 10 days, E) 15 days, F) 20 days chABC heat treatment at 37 °C, G) decorin with PBS substrate control and H) chABC with PBS control. Dense bands at approximately 55 kDa correlate to the decorin core protein. A diffuse band correlates to the native sulphated glycosaminoglycan side chain decorated core protein illustrated by lane F and G, 20 days of chABC heat treatment and control decorin respectively.

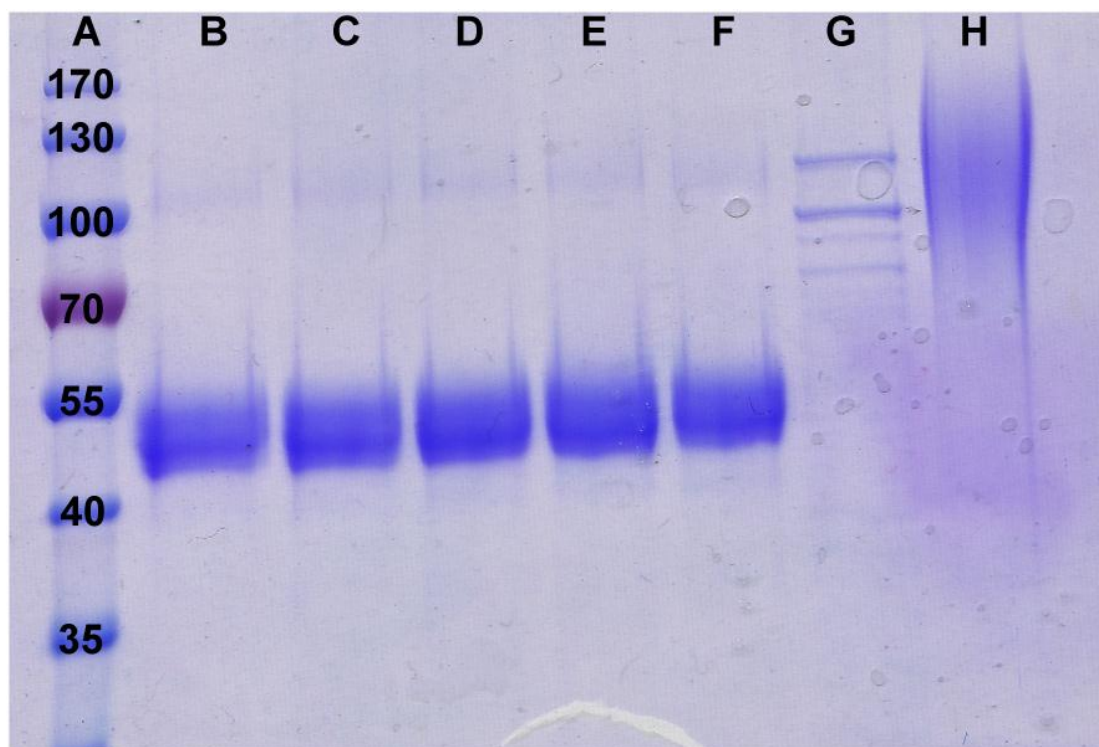


Figure S2 – SDS-PAGE analysis of degradation products from heat treated chABC in the presence of trehalose, with decorin as substrate. A) Ladder, B) 0 days, C) 5 days, D) 10 days, E) 15 days, F) 20 days chABC + trehalose heat treatment at 37 °C, G) chABC with trehalose control and H) decorin with trehalose substrate control. Dense bands at approximately 55 kDa correlate to the decorin core protein. A diffuse band correlates to the native sulphated glycosaminoglycan side chain decorated core protein illustrated by lane H decorin + trehalose control.

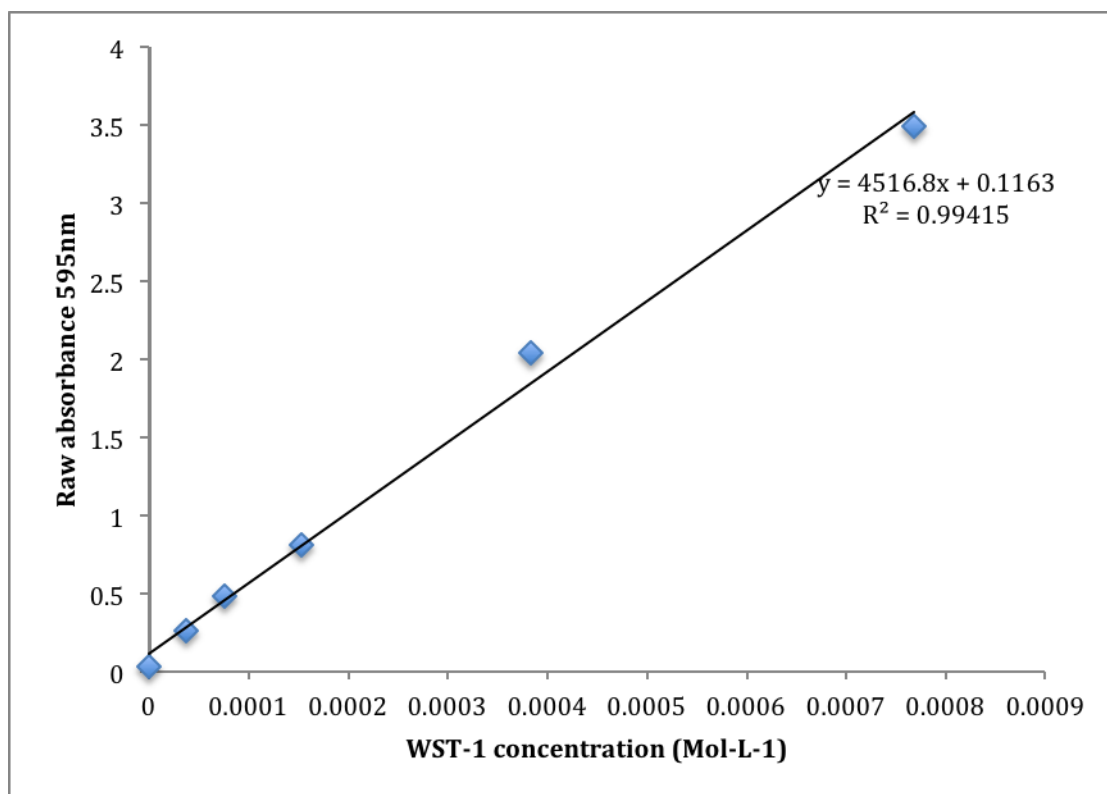


Figure S3 – Standard curve used for the calculation of WST-1 molar absorption coefficient.