3-3-3. Purification and Molecular Properties of the Ferritin from the Larval Hemolymph of *Protaetia brevitarsis*

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Ferritin, an iron storage protein, has been purified in the last larval hemolymph of *Protaetia brevitarsis* (coleopteran) by KBr density gradient ultracentrifugation and resource Q (Anion-exchange chromatography) using fast performance liquid chromatography (FPLC) system. Ferritin of *P. brevitarsis* is shown to have molecular mass of 600 kDa on a Native PAGE and its subunits consist of two major polypeptide with 27 kDa and 30 kDa presented on a SDS-PAGE. Ferritin was detected by Ferene-S stain and the confirmation of ferritin was also performed by western blotting with polyclonal antibody against Wax moth ferritin. The 27 kDa of *P. brevitarsis* was shown to react intensively with that of Wax moth ferritin whereas the 30 kDa weakly reacted. Other characteristics such as amino acid composition, N-terminal amino acid sequence, and isoelectric point were investigated.