

Purification and Characterization of Larval
Stage-dependent Haemolymph Protein in the Wild Silkmoth,
Samia cynthia ricini

Nam Sook Park¹, Ho Oung Lee¹, Pil Don Kang² and Sang Mong Lee¹

¹*Department of Proteomics, Genomics and Bio-materials, Miryang National University*

²*Department of Agricultural Biology, National Institute of Agricultural Science and Technology, RDA*

A larval haemolymph protein showing stage-dependent profile has been purified from the wild silkmoth, *Samia cynthia ricini*. The protein was referred to as LSP(Larval stage-dependent hemolymph protein). LSP was detected electrophoretically during larval development only. Native LSP was detected at the fast moving zon of electrophoretic field. We estimated the molecular weight of the subunits and composition. The protein contained 2 subunits with M.W. of major 23~24kDa and minor 15~16kDa. Also the protein contained no sugar and no lipid. The anti-LSP antibody is being prepared.