

Separation of Alcalase hydrolysate from *Capsosiphon fulvescens* by Hollow fiber

김현우, 이중헌*
조선대학교 생명화학공학과
(leejh@chosun.ac.kr*)

In this study, separated of alcalase hydrolysate from *Capsosiphon fulvescens* by Hollow fiber cartridge(Start AXM cartridges, MWCO 3000, GE Heal thcare). The total carbohydrate of the below 3kDa fraction was determined by the phenol-sulfuric acid method at 490 nm. The amount of sulfate residues was determined by Loui's method using Na₂SO₄ as a standard. Uronic acid content was determined by the carbazole reaction using D-glucuronic acid as a standard. Protein was quantified by Bradford method. The viability levels of β -cell(Hamster pancreatic β -cell line, HIT-T15) were determined by MTT(3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide) assay.