SUBKLONING DAN ISOLASI GEN PENYANDI MIKRONEMA 3 (MIC-3) Toxoplasma gondii ISOLAT LOKAL

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Author Order	of
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Abstract	Microneme protein (MIC) is one of proteins that belongs toÃ, excretory-secretory antigensÃ, (ESAs) ofÃ, Toxoplasma gondii. Microneme 3 protein (MIC-3) is the protein that plays an important role in the invasion proccess during cell infection as a mediator attachment parasite to the host cell. The aim of this research is to cloneÃ, mic3Ã, (gene encoding for MIC-3) ofÃ, T. gondiiÃ, from local isolate using recombinant DNA technology by cloningÃ, mic3Ã, in an expression vector.Ã, Deoxyribonucleic acidÃ, (DNA) fromÃ, T. gondiiÃ, tachyzoites was amplified byÃ, PuRe Taq RTG-PCR BeadsÃ, usingÃ, mic3Ã, specific primers. Amplified DNA was double digested usingÃ, EcoRV andÃ, HindIII restriction endonucleases and then purified usingÃ, EZ-10 spin coloumn purification kit. TheÃ, mic3 DNA was ligated into pET-32a(+) expression vector and transformated intoÃ, Escherichia coliÃ, BL21. The results showed that recombinantÃ, mic3gene 4.2 kDa has been successfully performed by cloning gene encoding for MIC-3 protein ofÃ, T. gondii local isolate into pET-32a(+) and transformed toÃ, E. coliÃ, BL21.
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