



Characterization of Tyrosine Kinase Protein in Spermatozoa Plasma Membrane of Merino Sheep

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Abstract : This study aims to identify and isolate tyrosine kinase derived from spermatozoa plasma membrane of Merino sheep. The procedure was done by taking a sample of Merino sheep semen which was further centrifuged to obtain the solid part (spermatozoa). Then, the identification of the Merino sheep's spermatozoa sample was conducted to obtain crude tyrosine kinase protein using SDS PAGE and electroelution was then performed to obtain tyrosine kinase isolates. The conclusions of this study are as follows: Tyrosine kinases can be identified from the spermatozoa plasma membrane of Merino sheep using SDS-PAGE with molecular weight of 95.55 kDa. 2). Tyrosine kinase isolation from spermatozoa plasma membrane of Merino sheep can be done by using electroelution. The mean level of tyrosine kinase isolates is 233.2 ug/ml.

Key words: tyrosine kinase isolates, spermatozoa plasma membrane, Merino Sheep.

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