

SDS-PAGE ANALYSIS AND ELECTRON MICROSCOPY OF CORPUSCLES OF STANNIUS SECRETION IN THE FRESHWATER FISH, *NOTOPTERUS NOTOPTERUS*

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ABSTRACT

The SDS-PAGE analysis of corpuscles of Stannius extract was carried out in the freshwater fish, *Notopterus notopterus*. Pair of corpuscles of Stannius is present embedded in the posterior portion of the kidney. The results indicate that the SDS-PAGE application of CS tissue homogenate indicates that the products of CS of *Notopterus notopterus* is a protein having molecular weight 41 kDa which might be a hypocalcemic hormone reported in other fishes and can be called as hypocalcin. Stanniocalcin (STC) is present throughout vertebrates, including humans, but a structure for STC has not been identified in animals that evolved before bony fish. The origin of this pleiotropic hormone known to regulate calcium is not clear. In the present study,

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