

# “ Homology Modeling of Rab11 Protein of Retina involved in Choroideremia (Homo sapiens) ”

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## Abstract

Choroideremia (CHM), is caused by a defect on the X gene which prohibits the body from making RAB Escort Protein-1, or REP-1, which further lead vision lost. The biological role of RAB Escort Protein-1 (REP-1) determine by homology modeling. In this research work the structure of Rab11 was predicted using Geno3d server. Ramachandran plot obtained by Geno 3-D server to estimate the effect of amino acid. The predicted structure was visualized through different visualization tools such as Pymol, Rasmol, and Swiss-pdb viewer. The active site was predicted through Q-site finder for further drug discovery and development for said disease.

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