

PIN1 protein belongs to a PIN family of transporters. This group of transporters is significantly involved in auxin transports outside of the cell. The auxin transport among plant cells gives an important role in plant growth, gravitropism, etc. The principle of auxin transport by this carrier protein is still not explored.

This work deals with the production of PIN1 carrier protein by recombinant expression in human embryonic kidney 293 cell line. Production in these cells was checked by the accumulation of radioactive auxin and by the immunofluorescence.