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(54) **Title:** NOVEL AS160-LIKE PROTEIN, TEST SYSTEMS, METHODS AND USES INVOLVING IT FOR THE IDENTIFICATION OF DIABETES TYPE 2 THERAPEUTICS

(57) **Abstract:** The present invention relates to novel AKT substrate 160kDa-like protein (AS160-like protein), to a method of identifying a substance altering glucose uptake and/or GLUT4 translocation to the plasma membrane of a cell comprising contacting a test system comprising AKT substrate 160kDa-like protein (AS160-like protein) with a test substance, and identifying a test substance as a substance altering glucose uptake of a cell by detecting a signal indicative for altered glucose uptake of a cell; a test system comprising a gene coding for the AKT substrate 160 kDa-like protein (AS160-like protein) and an inducible promoter providing for controllable expression of the gene; the use of the test system for the identification of a substance improving glucose uptake and/or GLUT4 translocation to the plasma membrane of a cell; and the use of AS160-like protein in a model for type 2 diabetes.