

# TITLE: SOCS1-DERIVED PEPTIDE FOR USE IN CHRONIC COMPLICATIONS OF DIABETES

## FIELD OF INTEREST

Biotechnology

## CLINICAL NEED

The enormous social-health impact of diabetes is due to these chronic complications, mainly ocular (retinopathy), renal (nephropathy) and vascular (atherosclerosis) complications. Current approaches for treating diabetes, such as strict glucose and hypertension control, successfully stop disease progression but do not prevent the onset of chronic complications in many cases, particularly retinopathy, cardiovascular events or the progression of patients to renal failure and even their participation in dialysis and transplant programs.

## DESCRIPTION OF THE INVENTION

The present invention relates to a SOCS1-derived peptide useful for the prevention and treatment of chronic complications of diabetes, particularly ocular, renal, nerve and vascular complications. Diabetic retinopathy and macular edema are included within the area of eye complications of diabetes. Given the neuroprotective nature of the SOCS1-derived peptide, the present invention is also considered potentially effective for other diseases of the retina, besides diabetic retinopathy, in which neurodegeneration plays a fundamental role such as acquired or inherited neurodegenerative diseases of the retina.

## TECHNOLOGY KEYWORDS

Peptide, SOCS1, retinopatía diabética , complicaciones oculares, renales, nerviosas y vasculares

## IPR STATUS

Patent application number: P201430796 and PCT/ES2015/070415

Applicants: VHIR, IIS-FJD, UAM

## TYPE AND ROLE OF PARTNER

Looking for commercial partners interested in licensing.

---

### Contact details:

Innovation Unit  
e-mail: [beatriz.palomo@quironsalud.es](mailto:beatriz.palomo@quironsalud.es)