Submitted to Molecular Neurobiology

The USP13-SKP2-P57/kip2 Axis Mediates Spautin-1-Induced Transcriptional Upregulation of NURR1: Potential implications in the differentiation of dopamine neurons

Anna Edward[1,2#], Srinivas N Puttapaka[1,2#], Aravind Vulli[1] and Shasi V Kalivendi[1,2*]

[1]Department of Applied Biology, CSIR-Indian Institute of Chemical Technology, Uppal Road, Hyderabad-500007, India. [2]Academy of Scientific and Innovative Research (AcSIR), Ghaziabad-201002, India.

# Both these authors contributed equally to this work.

***Correspondence:** Dr Shasi V. Kalivendi, Department of Applied Biology, CSIR-Indian Institute of Chemical Technology, Uppal Road, Tarnaka, Hyderabad-500007, T.S., India. +91-40-27191865;; Email: kalivendi@csiriict.in

Fig 1 a

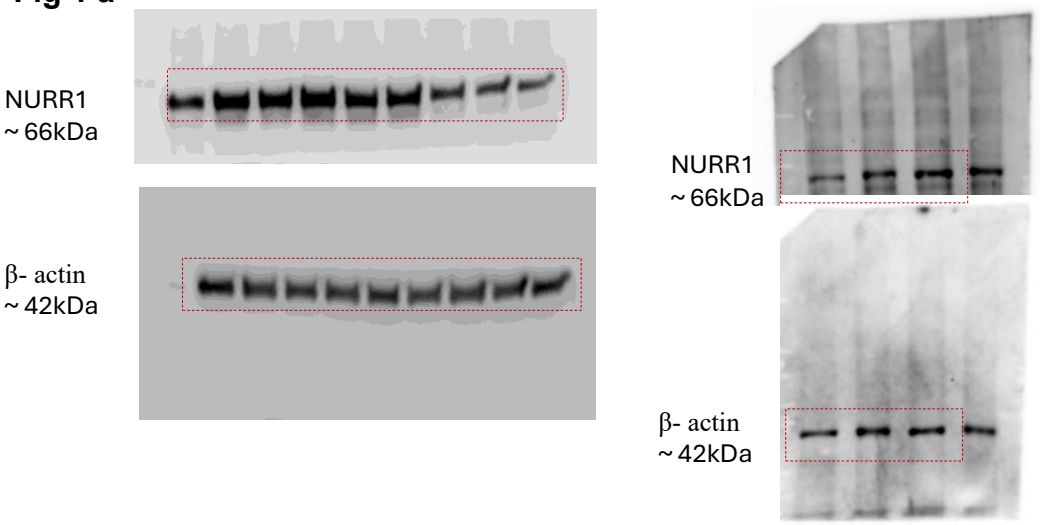

Fig 1 c

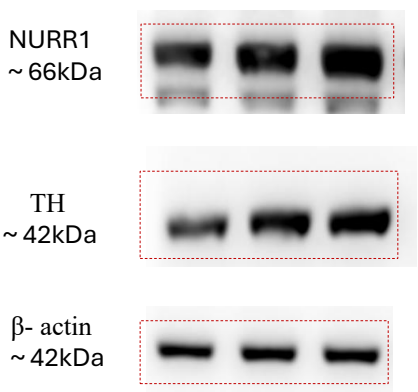

Fig 2 d

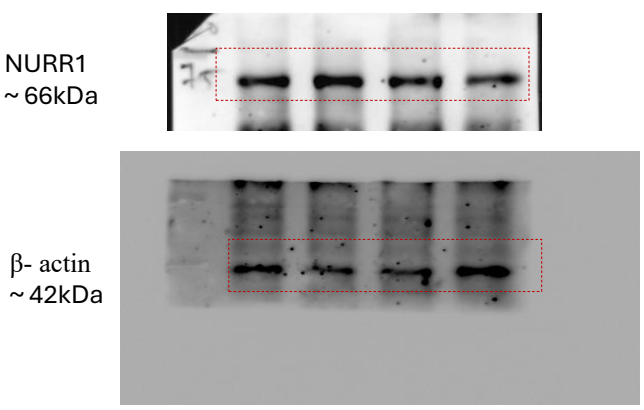

Fig 3 a

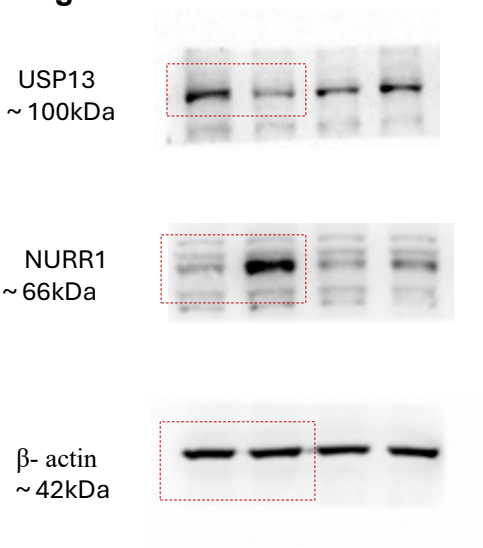

Fig 3 b

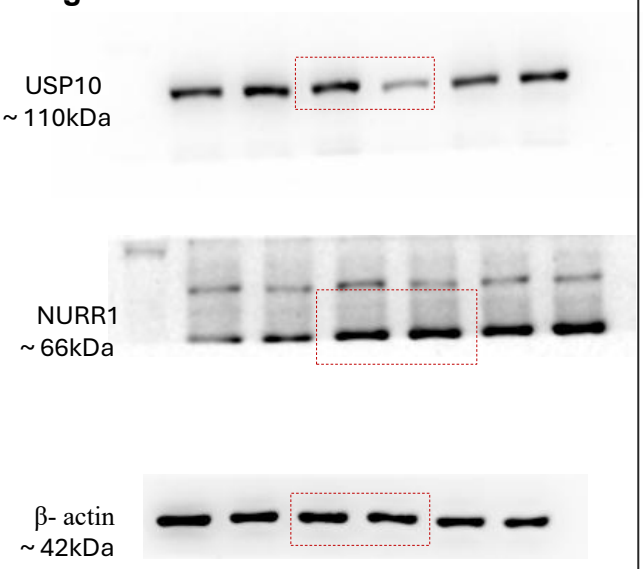

Fig 3 c

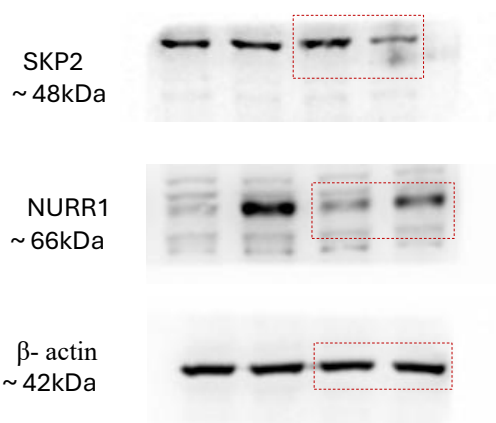

Fig 3 d

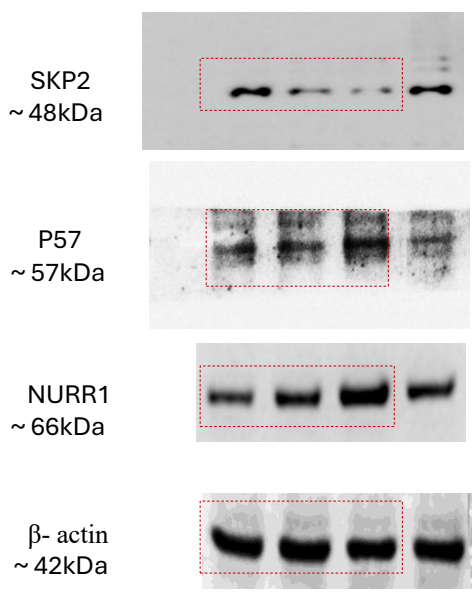

Fig 3 e

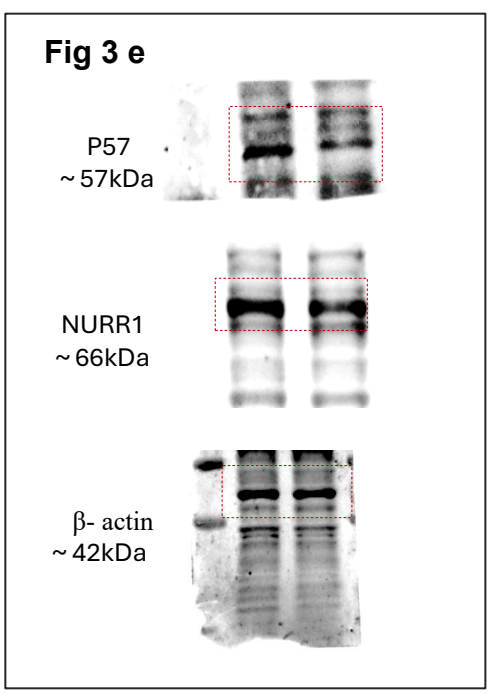

Fig 3 f

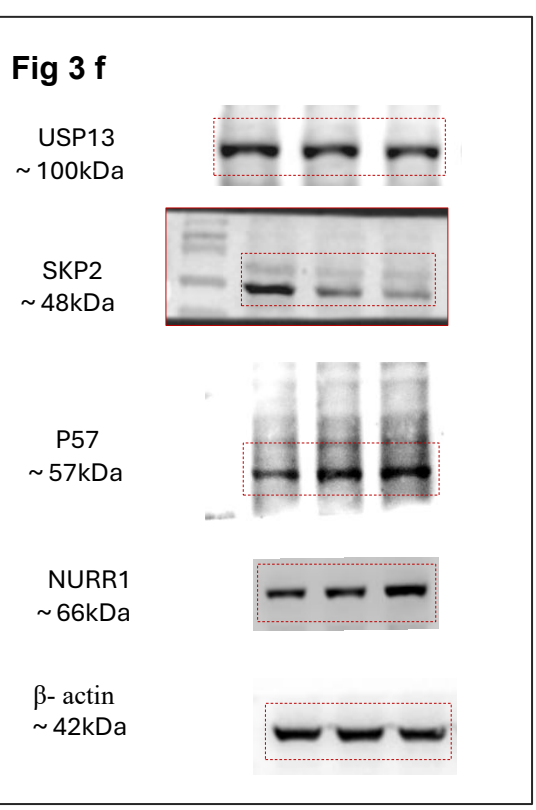

Fig 4 a

SKP2
~ 48kDa

NURR1
~ 66kDa

β- actin
~ 42kDa

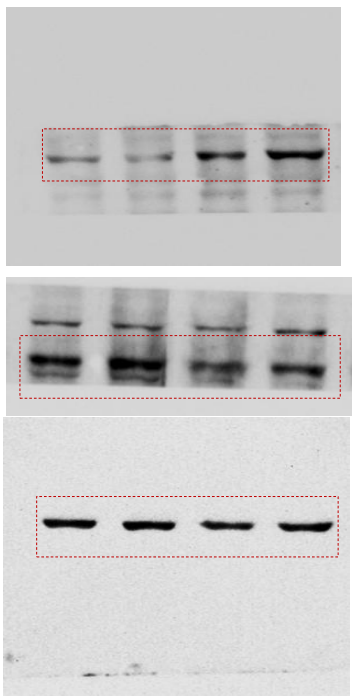

Fig 4 b

P57
~ 57kDa

NURR1
~ 66kDa

β- actin
~ 42kDa

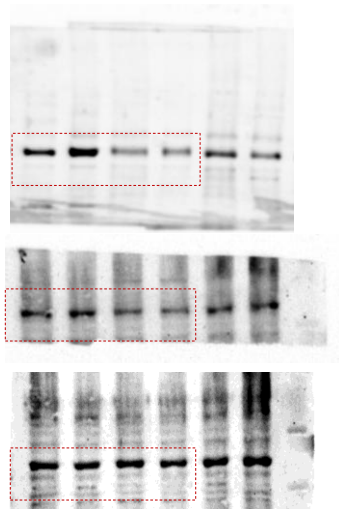

Fig 5 a

NURR1
~ 66kDa

β- actin
~ 42kDa

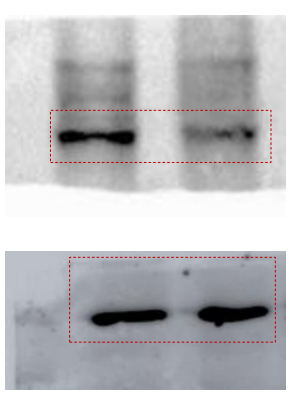

Fig 6 e

TH
~ 42kDa

NURR1
~ 66kDa

β- actin
~ 42kDa