

| LA bound to HNF4 α 2 (pmole) | |
|--|---------------------|
| [¹ H]LA | [² H]LA |
| 7.8 | ND |

Figure S1. Binding of LA to HNF4 α 2 occurs within cells.

COS-7 cells were transfected with rat HNF4 α 2 wt and cultured in medium with stripped serum. LA binding to HNF4 α 2 was determined as in Fig. 1 in the main text except that nuclear extracts were prepared with lysis buffer containing 30 μ M [²H]LA. [¹H]LA-specific ions (m/z 262 and 337) and [²H]LA-specific ions (m/z 266 and 341) of the silylated derivative of LA were used for quantification by GC/MS. The detection limit for [²H]LA is less than 1 pmole. These results demonstrate that the LA that is bound to HNF4 α 2 is derived from endogenous [¹H]LA within the cell, not from the exogenous [²H]LA that is unique to the lysis and extraction procedures. ND, not detectable.