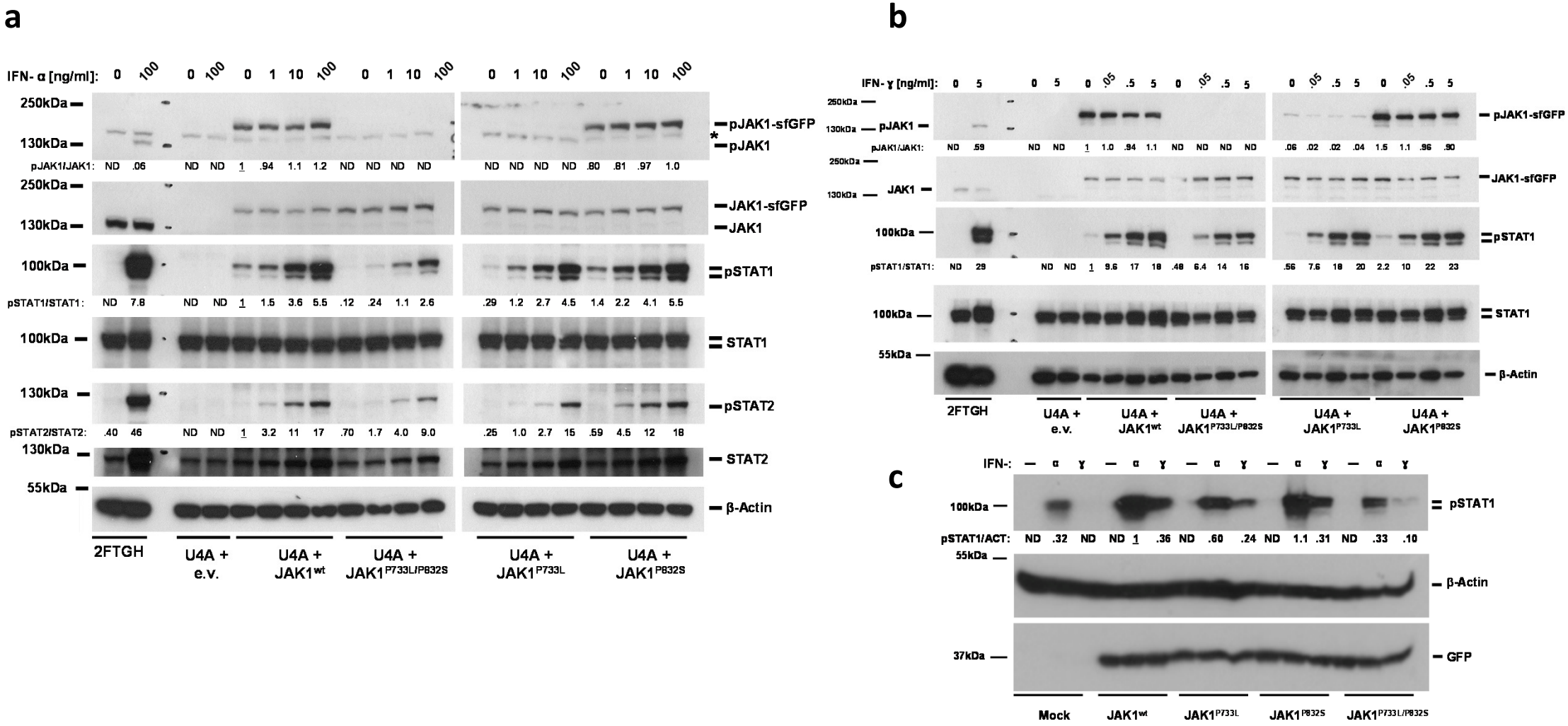
a
IFN- α [ng/ml]: 0 100 0 100 0 1 10 100 0 1 10 100 0 1 10 100 0 1 10 100
250kDa
130kDa
pJAK1-sfGFP
*
pJAK1
pJAK1/JAK1: ND .06 ND ND 1 .94 1.1 1.2 ND ND ND ND ND ND ND ND .80 .81 .97 1.0
250kDa
130kDa
JAK1-sfGFP
JAK1
100kDa
pSTAT1
pSTAT1/STAT1: ND 7.8 ND ND 1 1.5 3.6 5.5 .12 .24 1.1 2.6 .29 1.2 2.7 4.5 1.4 2.2 4.1 5.5
100kDa
STAT1
130kDa
pSTAT2
pSTAT2/STAT2: .40 46 ND ND 1 3.2 11 17 .70 1.7 4.0 9.0 .25 1.0 2.7 15 .59 4.5 12 18
130kDa
STAT2
55kDa
β-Actin
2FTGH
U4A + e.v.
U4A + JAK1wt
U4A + JAK1P733L/P832S
U4A + JAK1P733L
U4A + JAK1P832S
b
IFN- γ [ng/ml]: 0 5 0 5 0 .05 .5 5 0 .05 .5 5 0 .05 .5 5 0 .05 .5 5
250kDa
130kDa
pJAK1
pJAK1-sfGFP
pJAK1/JAK1: ND .59 ND ND 1 1.0 .94 1.1 ND ND ND ND .06 .02 .02 .04 1.5 1.1 .96 .90
250kDa
130kDa
JAK1
JAK1-sfGFP
100kDa
pSTAT1
pSTAT1/STAT1: ND 29 ND ND 1 9.6 17 18 .48 6.4 14 16 .56 7.6 18 20 2.2 10 22 23
100kDa
STAT1
55kDa
β-Actin
2FTGH
U4A + e.v.
U4A + JAK1wt
U4A + JAK1P733L/P832S
U4A + JAK1P733L
U4A + JAK1P832S
c
IFN-: – α γ – α γ – α γ – α γ – α γ
100kDa
pSTAT1
pSTAT1/ACT: ND .32 ND ND 1 .36 ND .60 .24 ND 1.1 .31 ND .33 .10
55kDa
β-Actin
37kDa
GFP
Mock
JAK1wt
JAK1P733L
JAK1P832S
JAK1P733L/P832S