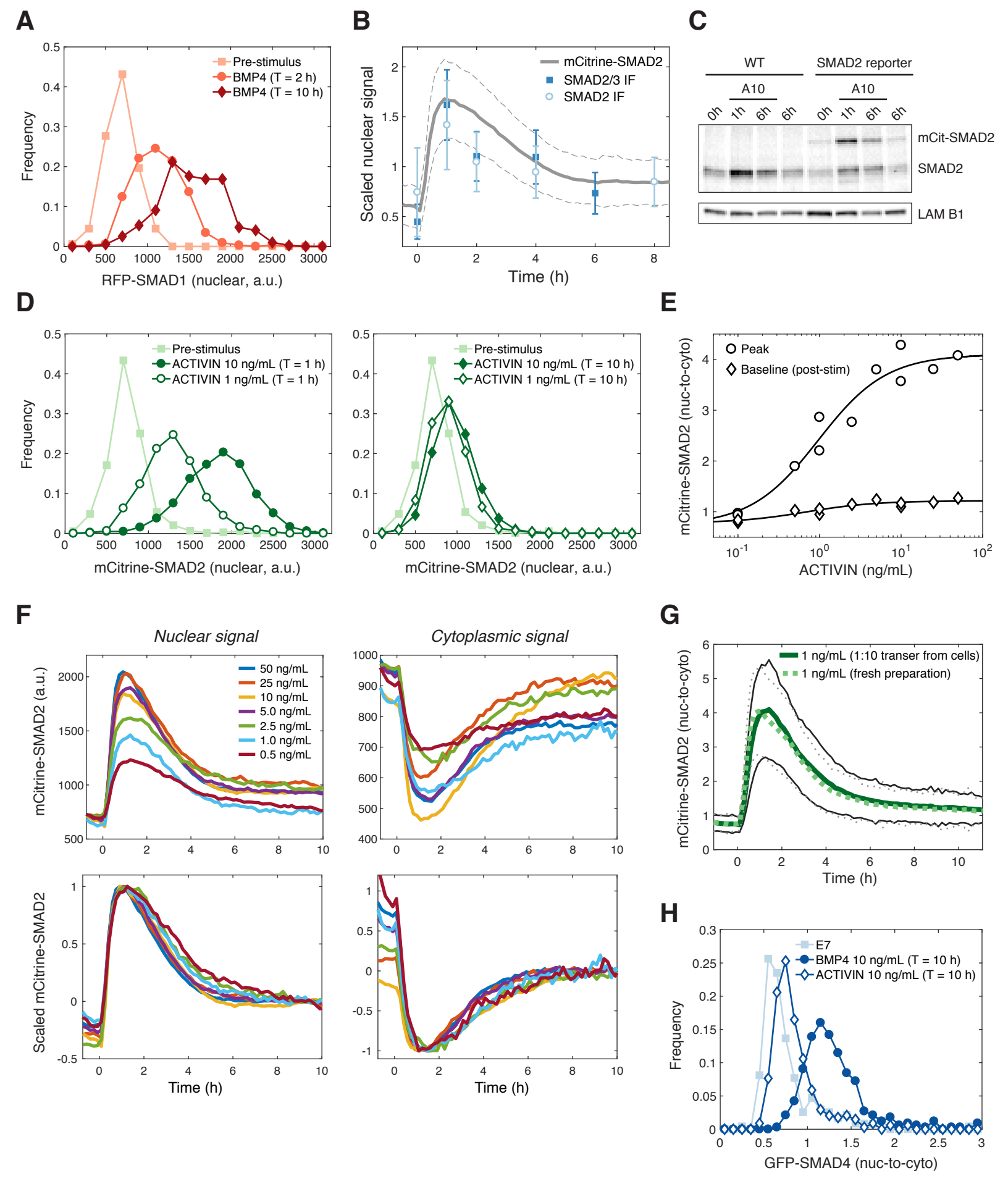
A
Pre-stimulus
BMP4 (T = 2 h)
BMP4 (T = 10 h)
Frequency
RFP-SMAD1 (nuclear, a.u.)
B
mCitrine-SMAD2
SMAD2/3 IF
SMAD2 IF
Scaled nuclear signal
Time (h)
C
WT
SMAD2 reporter
A10
A10
0h
1h
6h
6h
0h
1h
6h
6h
mCit-SMAD2
SMAD2
LAM B1
D
Pre-stimulus
ACTIVIN 10 ng/mL (T = 1 h)
ACTIVIN 1 ng/mL (T = 1 h)
Frequency
mCitrine-SMAD2 (nuclear, a.u.)
Pre-stimulus
ACTIVIN 10 ng/mL (T = 10 h)
ACTIVIN 1 ng/mL (T = 10 h)
mCitrine-SMAD2 (nuclear, a.u.)
E
Peak
Baseline (post-stim)
mCitrine-SMAD2 (nuc-to-cyto)
ACTIVIN (ng/mL)
F
Nuclear signal
Cytoplasmic signal
50 ng/mL
25 ng/mL
10 ng/mL
5.0 ng/mL
2.5 ng/mL
1.0 ng/mL
0.5 ng/mL
mCitrine-SMAD2 (a.u.)
Scaled mCitrine-SMAD2
Time (h)
Time (h)
G
1 ng/mL (1:10 transer from cells)
1 ng/mL (fresh preparation)
mCitrine-SMAD2 (nuc-to-cyto)
Time (h)
H
E7
BMP4 10 ng/mL (T = 10 h)
ACTIVIN 10 ng/mL (T = 10 h)
Frequency
GFP-SMAD4 (nuc-to-cyto)