Gfi1-Mediated Repression of *c-Fos*, *Egr-1* and *Egr-2*, and Inhibition of ERK1/2 Signaling Contribute to the Role of Gfi1 in Granulopoiesis

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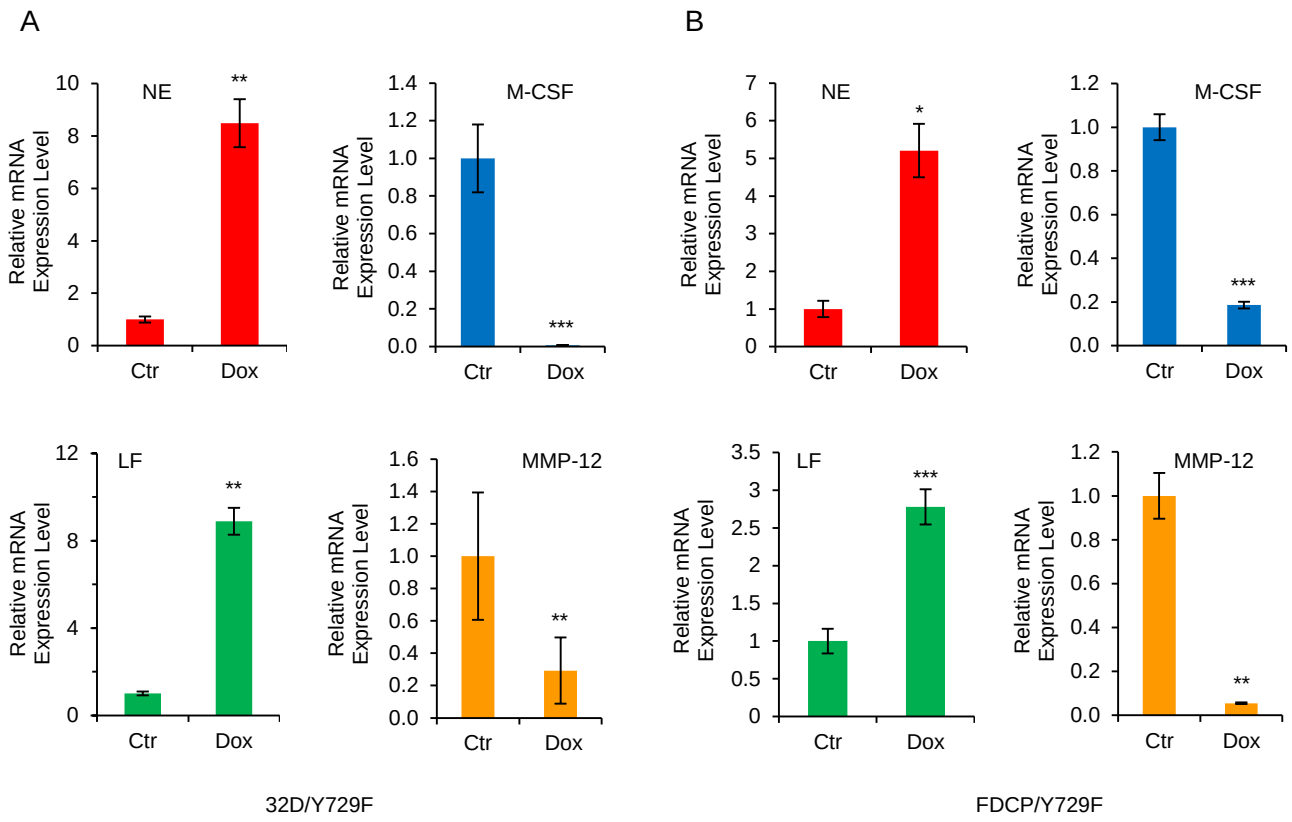
Supplementary Figures Legends

Supplementary figure S1. Effects of Gfi1 overexpression on the expression of neutrophil vs monocyte differentiation markers. 32D/Y729F/Gfi1 (**A**) and FDCP/Y729F/Gfi1 (**B**) cells were cultured in G-CSF in the absence (Ctr) or presence of Dox for 6 and 2 days, respectively. The mRNA levels of neutrophil elastase (NE), lactoferin (LF), M-CSF and MMP-12 were examined by qRT-PCR.

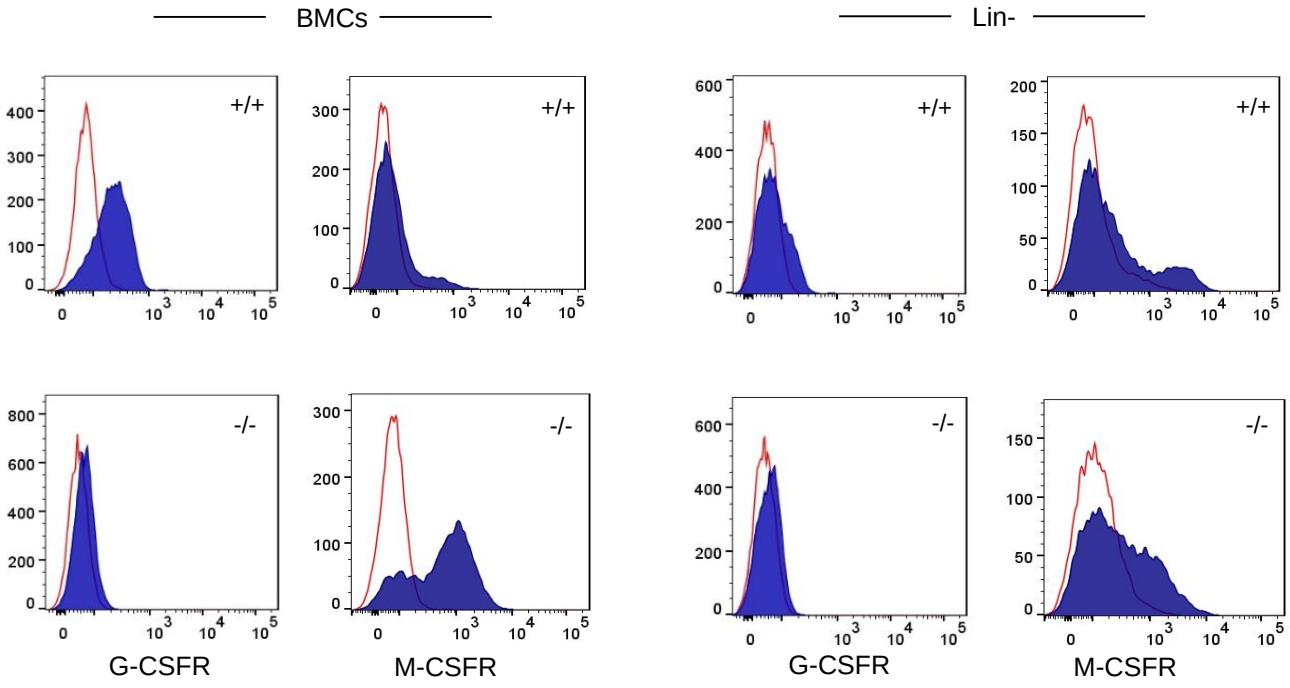
Supplementary figure S2. Flow cytometric analyses of cell surface levels of G-CSFR and M-CSFR in unpurified and Lin$^-$ BM cells from *Gfi1*$^{+/+}$ and *Gfi1*$^{-/-}$ mice. BM cells were obtained from 8-week old *Gfi1*$^{+/+}$ and *Gfi1*$^{-/-}$ mice prior to evaluation of G-CSFR and M-CSFR expression.

Supplementary figure S3. Effects of the Mek1/2 inhibitors on the expression of neutrophil vs monocyte differentiation markers in *Gfi1*$^{-/-}$ BM cells. Lin$^-$ cells from *Gfi1*$^{-/-}$ mice were cultured in the absence or presence of U0126 (U0) or PD0325901 (PD) for 3 day. The mRNA levels of myeloperoxidase (MPO), NE, LF, M-CSF and MMP-12 were examined by qRT-PCR.

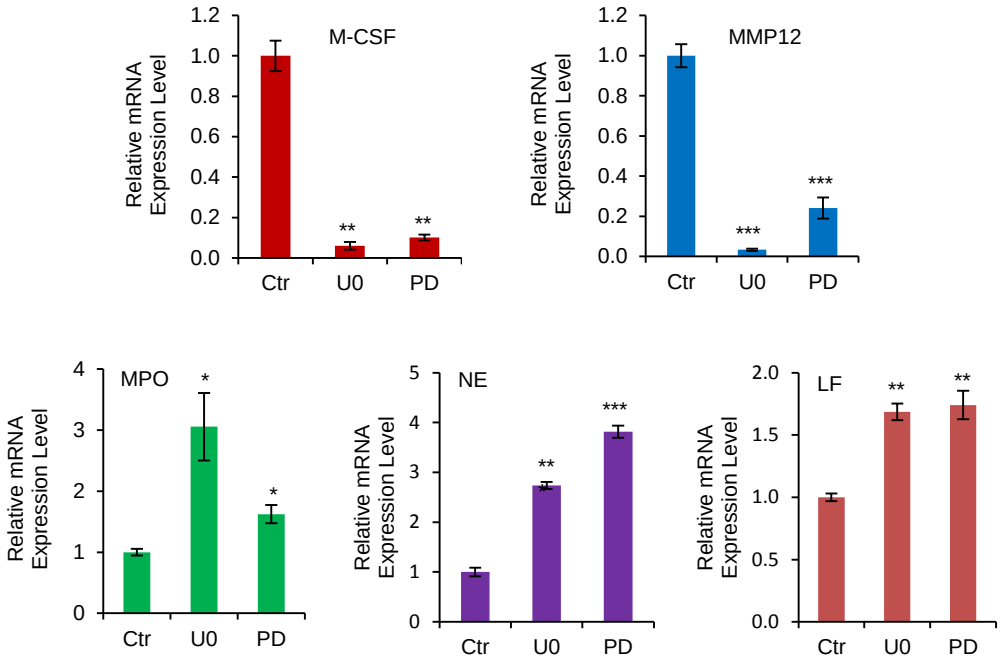
Supplementary figure S4. Shown is the full-length blot for figure 5A, right panels.



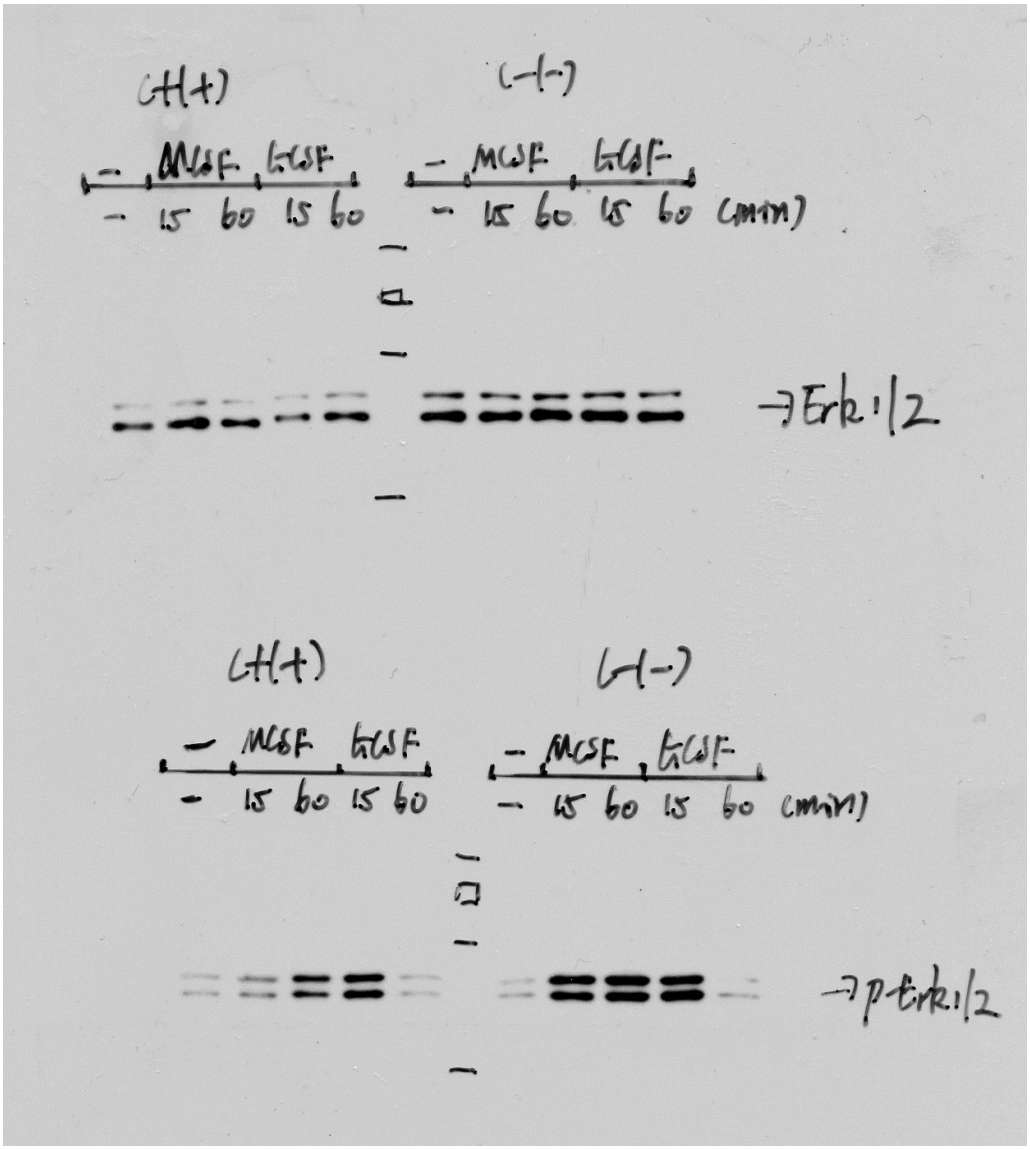
Supplementary figure S1



Supplementary figure S2



Supplementary figure S3



Supplementary figure S4