

Pro-cathepsin D interacts with the extracellular domain of the beta chain of LRP1 and promotes LRP1-dependent fibroblast outgrowth.

Mélanie Beaujouin, Christine Prébois, Danielle Derocq, Valérie Laurent-Matha, Olivier Masson, Sophie Pattingre, Peter Coopman, Nadir Bettache, Jami Grossfield, Robert E. Hollingsworth, et al.

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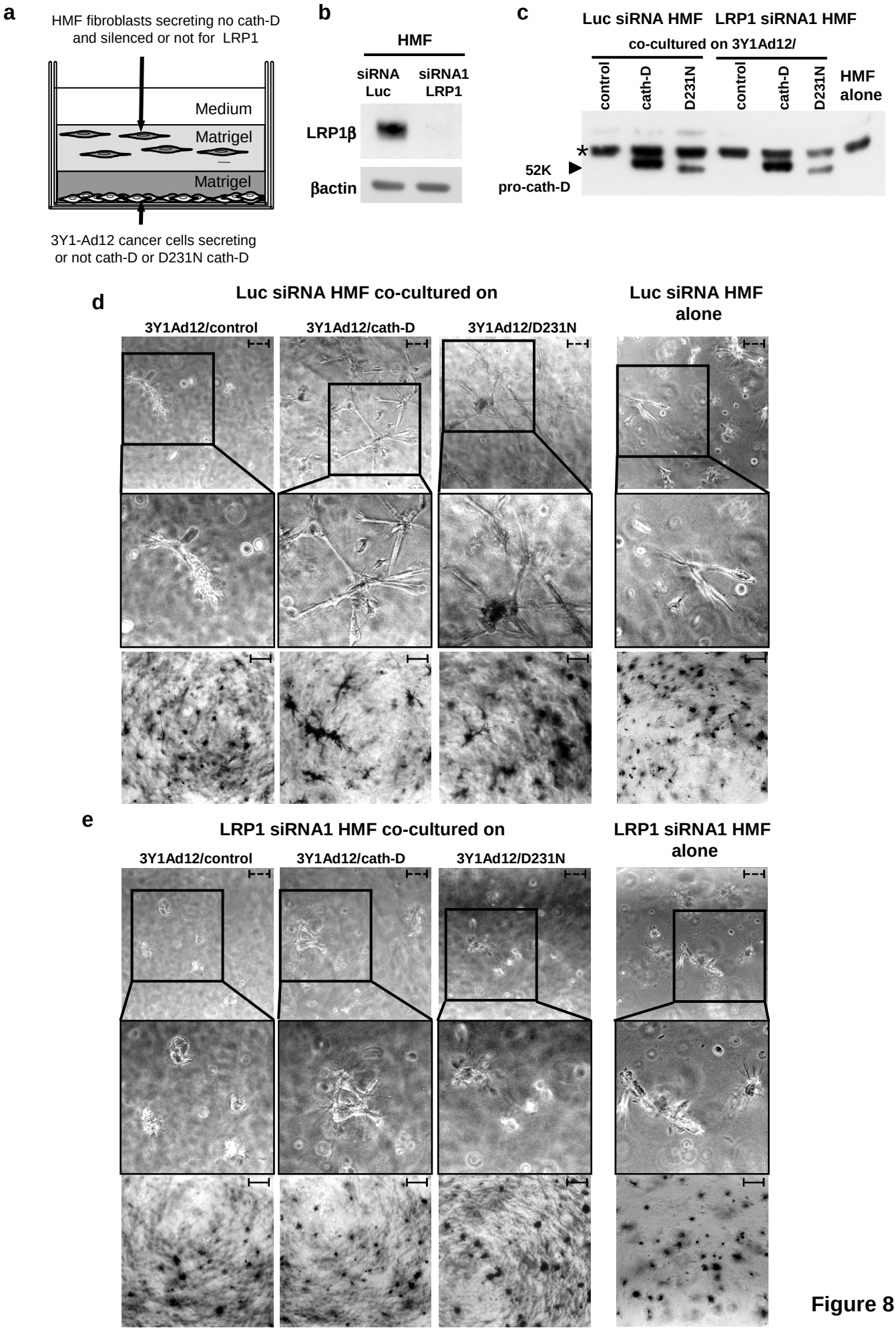

a
HMF fibroblasts secreting no cath-D and silenced or not for LRP1
Medium
Matrigel
Matrigel
3Y1-Ad12 cancer cells secreting or not cath-D or D231N cath-D
b
HMF
siRNA Luc
siRNA1 LRP1
LRP1β
βactin
c
Luc siRNA HMF
LRP1 siRNA1 HMF
co-cultured on 3Y1Ad12/
control
cath-D
D231N
control
cath-D
D231N
HMF alone
52K pro-cath-D
d
Luc siRNA HMF co-cultured on
Luc siRNA HMF alone
3Y1Ad12/control
3Y1Ad12/cath-D
3Y1Ad12/D231N
e
LRP1 siRNA1 HMF co-cultured on
LRP1 siRNA1 HMF alone
3Y1Ad12/control
3Y1Ad12/cath-D
3Y1Ad12/D231N

Figure 8