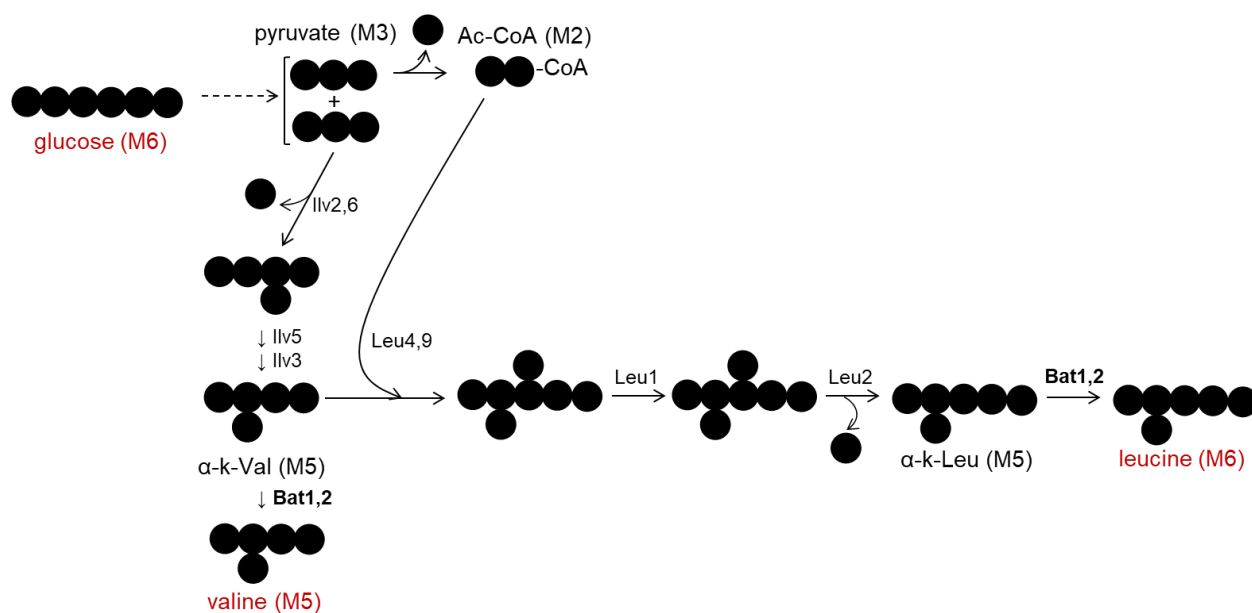
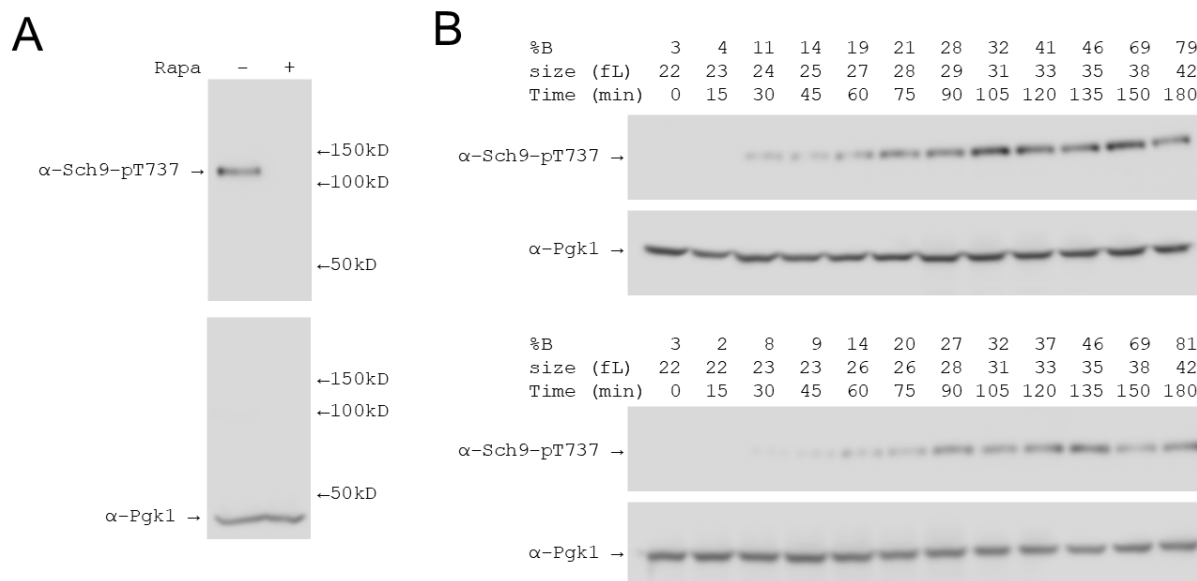


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Appendix Figure S1. Diagram showing the carbon additions and eliminations from glucose (M6) to the synthesis of valine (M5) and leucine (M6) isotopomers.



Appendix Figure S2. The signal from an anti-Sch9-pT737 antibody changes in the cell cycle, starting low in early G1 and peaking later, during the S phase. A, Immunoblots of total cell extracts from asynchronous X2180 cells in SMM medium. The signal from Pgk1 (α -Pgk1) is shown on the blot at the bottom, and from phosphorylated Sch9 (α -Sch9-pT737) is on the blot above from cells treated (+), or not (-), with rapamycin (Rapa) at 200 ng/mL for 20 min before cell extract preparation. B, Immunoblots of total cell extracts from synchronous, elutriated wild-type (X2180) cells in minimal (SMM) medium. At the top, the percent of budded cells (%B), cell size (in fL), and time (in min) are indicated. The levels of phosphorylated Sch9 (α -Sch9-pT737) and Pgk1 (α -Pgk1) are shown in each case.