Figure S6. Aminoacylation of tRNA$^{Ile}$ with purified isoleucine.

A, $k_{obs}$ in tRNA$^{Ile}$ aminoacylation by IleRS was obtained with 30 mM purified (●) or unpurified (○) isoleucine to test if the purification procedure introduced contaminants that may inhibit enzymatic activity. The inset shows the steady state portion of the progress curve.

B, $k_{obs}$ in tRNA$^{Ile}$ aminoacylation was also obtained with a low and limiting isoleucine concentration – 0.01 mM purified (●) or unpurified (○), to test the concentration of the purified isoleucine sample. WT IleRS was present at 20 nM concentration and tRNA$^{Ile}$ was present at 10 µM concentration.