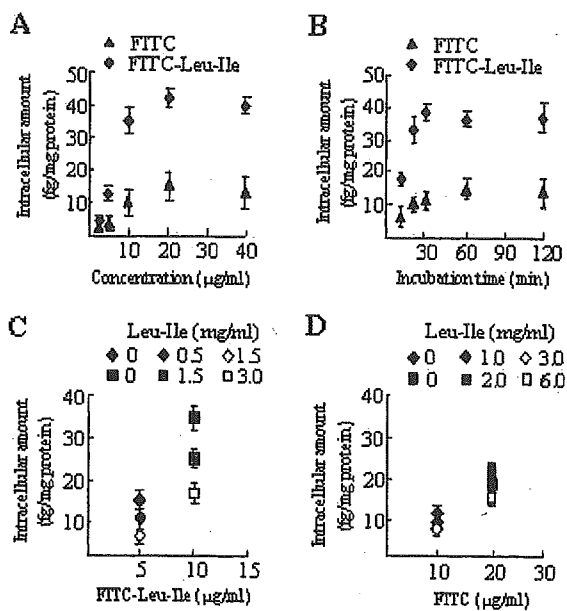
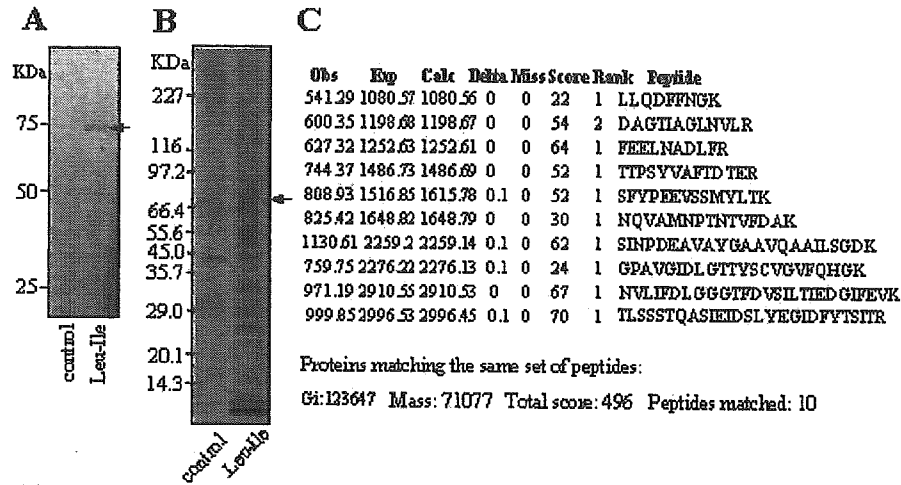


antibodies (red). G, CRE-pCREB binding activities were quantified after Leu-Ile treatment for 30 min.

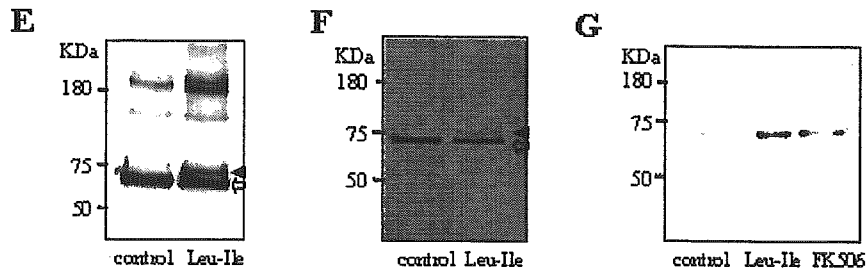
** p<0.01 versus control; ### p<0.001 versus mutant ODN (n = 4).

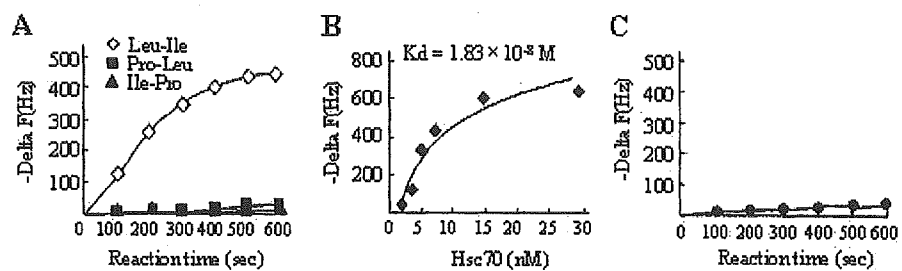


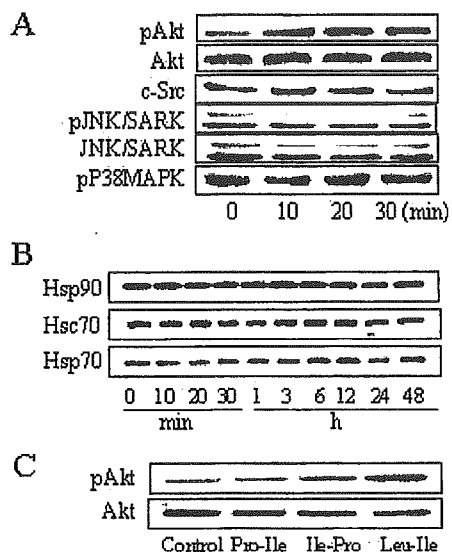


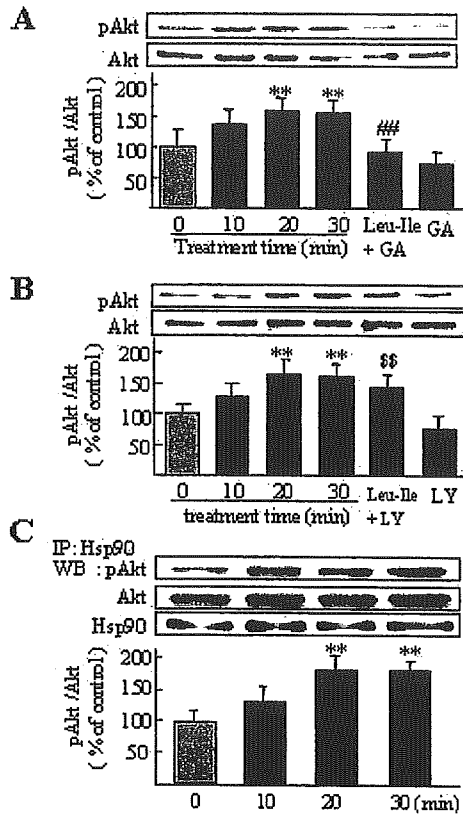
D **dnak-type molecular chaperone Hsc70 – mouse**

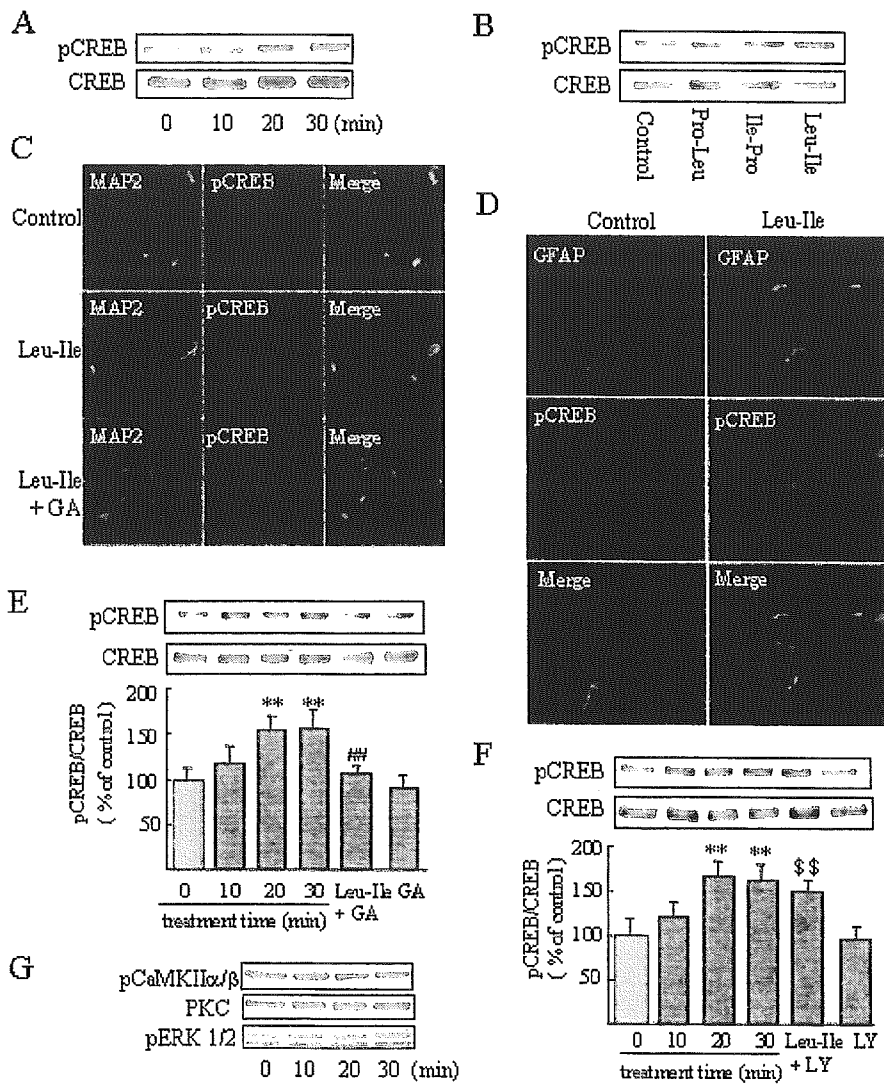
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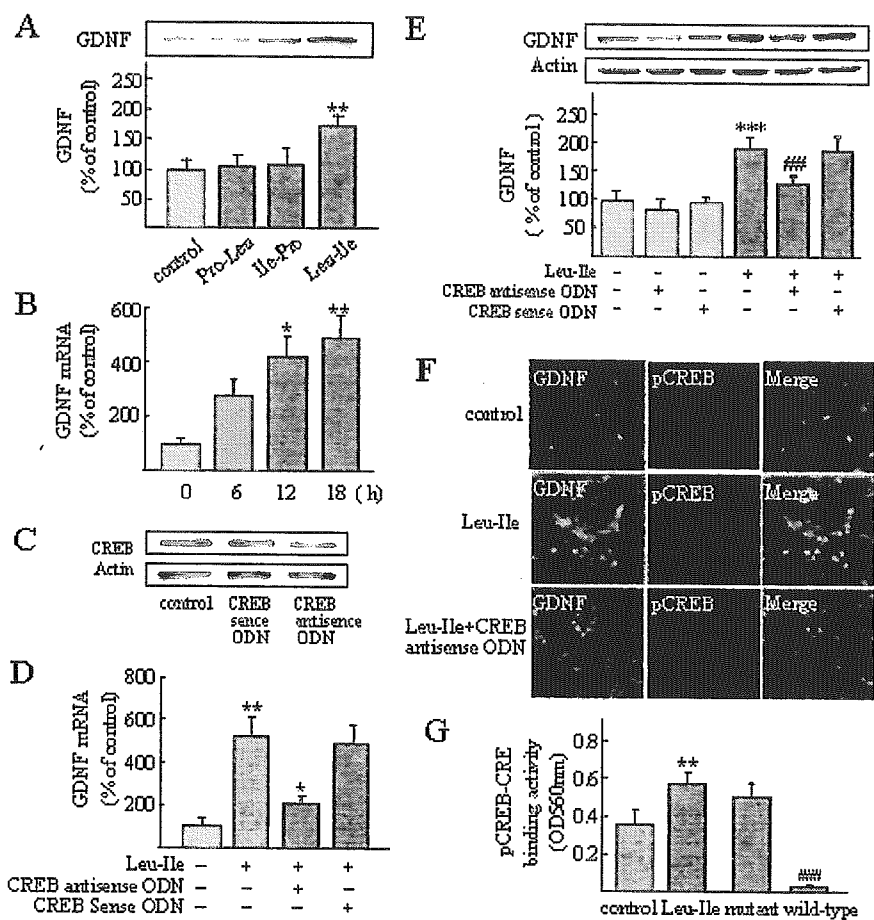




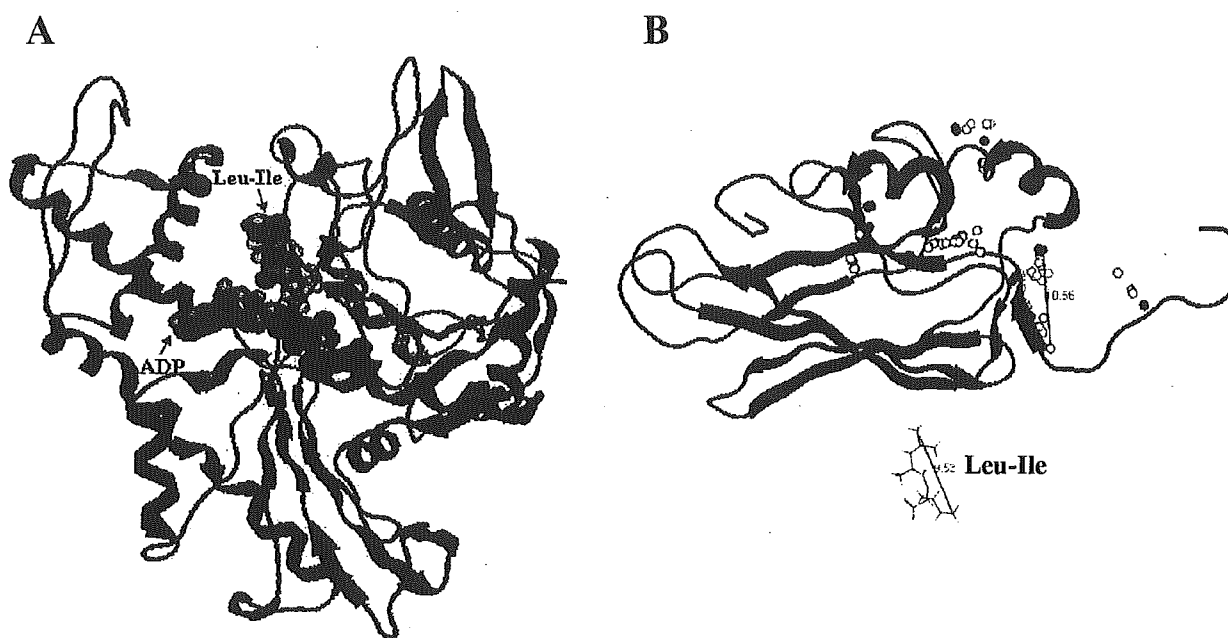








Supplementary Figure 1



Crystal structure of Hsc70 and the predicted binding site for Leu-Ile.

The figure was created using MOE software and illustrates the binding of the dipeptide to the ATPase domain (A). The bound Leu-Ile, depicted as a red arrow, is docking in a pock-like site of the Hsc70 ATPase domain, which is near to nucleotide ADP docking site (black arrow). Substrate-binding domain showed no stable docking site for Leu-Ile (B).