ProteoTuner™ Technology Citations

Analyzing protein function is a key focus in discovery-based cell biology research. ProteoTuner Systems offered by Clontech®, which are based on a technology developed by Dr. Thomas Wandless and colleagues, allow you to directly investigate the function of a specific protein of interest by controlling the amount of the protein that is present in the cell or organism. This technology has been successfully used in a variety of applications and organisms, resulting in many publications in outstanding peer-reviewed journals.


Concentration-dependent stabilization of DD-ACGFP1 by Shield1.

ProteoTuner Applications in Mice

Conditional control of protein function in vivo can clarify the roles of individual proteins in complicated systems.

Use ProteoTuner systems and Shield1 to regulate the stability of a specific protein, allowing the fused protein to accumulate and perform its normal cellular functions.

ProteoTuner Applications in Parasites

Gene function analysis in parasites has been limited by the absence of effective reverse genetic tools to control protein levels in these organisms. ProteoTuner systems allow efficient functional analysis of proteins in parasites.

42. Agop-Nersesian, C. et al. (2010) PLoS Pathog. 6(7): e1001029. Biogenesis of the inner membrane complex is dependent on vesicular transport by the alveolar specific GTPase Rab11B.


### Products

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