

The graph illustrates the relationship between protein stability and fitness. The y-axis represents Fitness (W) and the x-axis represents Stability (ΔG_{opt}). A bell-shaped curve shows that fitness is maximized at an optimal stability level. A horizontal dashed line marks the peak fitness W_{opt} . A horizontal double-headed arrow at the top of the curve, centered on the peak, indicates a 'Neutral' region of 1 kcal mol^{-1} in stability. The left side of the curve is labeled with 'Unfolding', 'Aggregation', and 'Degradation'. The right side is labeled with '↓ Dynamics', '↓ Activity', and '↓ Regulation'.