

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Drug platforms			
Stabilizing proteins by glycosylation	<p><i>In vitro</i> and cell culture studies suggest that engineered glycosylation sites could increase the stability and manufacturing yield of recombinant protein therapeutics. In model proteins that resemble immunoglobulins, engineering a phenylalanine residue just before a glycosylation site located within a protein turn improved protein stability compared with that seen in a control bearing only the glycosylation site. In an insect cell culture expression system, the expression yield of protein stabilized in this manner was higher than that in wild-type controls. Next steps include engineering this protein-stabilizing motif into therapeutically useful proteins.</p> <p>SciBX 4(7); doi:10.1038/scibx.2011.208 Published online Feb. 17, 2011</p>	Patent pending; available for licensing	<p>Culyba, E.K. <i>et al. Science</i>; published online Feb. 5, 2011; doi:10.1126/science.1198461 Contact: Evan T. Powers, The Scripps Research Institute, La Jolla, Calif. e-mail: epowers@scripps.edu Contact: Jeffery W. Kelly, same affiliation as above e-mail: jkelly@scripps.edu</p>