CONDITIONALLY ACTIVE BIOLOGICAL PROTEINS

ABSTRACT

Methods of generating conditionally active biologic proteins, in particular therapeutic or diagnostic proteins, which are more active at an aberrant condition than at a normal physiological condition. The methods include discovery methods using libraries of proteins and assays employing physiological concentrations of components of bodily fluids. The conditionally active biologic proteins may be further evolved, conjugated to other molecules, masked, reduced in activity by attaching a cleavable moiety. Criteria for selecting starting proteins for the discovery methods, as well as formats of the proteins are also disclosed.

Fig. 1