

Title (en)
SYNTHETIC DEGRADER SYSTEM FOR TARGETED PROTEIN DEGRADATION

Title (de)
SYNTHETISCHES ABBAUSYSTEM FÜR GEZIELTEN PROTEINABBAU

Title (fr)
SYSTÈME DE DÉGRADATION SYNTHÉTIQUE POUR LA DÉGRADATION CIBLÉE DE PROTÉINES

Publication
EP 4288529 A2 20231213 (EN)

Application
EP 22710773 A 20220202

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• US 202163248516 P 20210926
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Abstract (en)
[origin: WO2022169913A2] A fusion protein is provided having a binding element and a degradation initiator, where the binding element selectively binds a target molecule, and the degradation initiator has a sequence isolated or derived from an E3 ligase. A composition is provided comprising: (a) a first fusion protein comprising a first binding element; and (b) a second fusion protein comprising a second binding element; wherein: (1) the first fusion protein further comprises a degradation initiator or a functional variant thereof and the second fusion protein further comprises a target molecule; or (2) the first fusion protein further comprises a target molecule and the second fusion protein further comprises a degradation initiator or a functional variant thereof. The fusion proteins and compositions may be used for the targeted degradation of endogenous and exogenous proteins, optionally, in a cell or in vivo, for the treatment or prevention of a disease or disorder.

IPC 8 full level
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