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(54) Title: PEPTIDE EXPRESSION CONSTRUCTS AND USES THEREOF

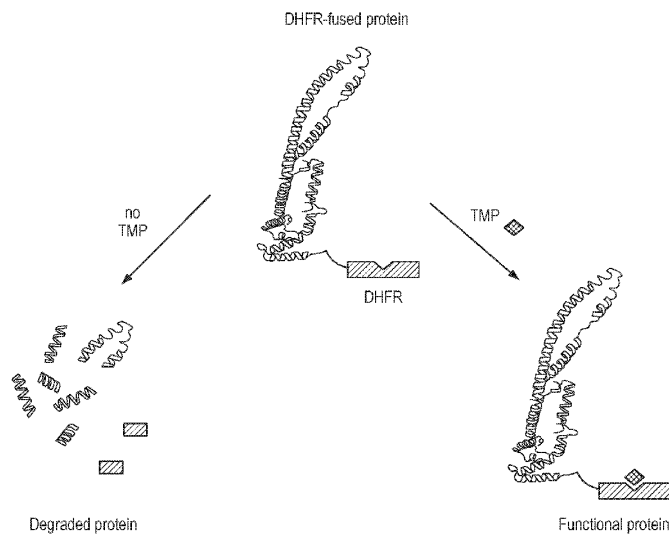


FIG. 1

(57) Abstract: The disclosure provides gene transfer constructs comprising a destabilizing domain (DD) sequence, a translational separator sequence, and a sequence encoding one or more peptides of interest; nucleic acids encoding gene transfer constructs; uses of nucleic acids encoding gene transfer constructs to prevent mitochondrial hyperfission and fragmentation; uses of nucleic acids encoding gene transfer constructs to induce apoptosis in cells, such as cancer cells; and therapeutic applications of nucleic acids encoding gene transfer constructs, for example, in the treatment of mitochondrial diseases and disorders associated with mitochondrial dysfunction, as well as various types of cancer.

[Continued on next page]

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