

Title (en)
MODIFIED LEPIDOPTERAN RECEPTORS AND HYBRID MULTIFUNCTIONAL PROTEINS FOR USE IN REGULATION OF TRANSGENE EXPRESSION

Title (de)
MODIFIZIERTE LEPIDOPTERA-REZEPTOREN UND HYBRIDE, MULTIFUNKTIONELLE PROTEINE ZUR REGULATION DER EXPRESSION VON TRANSGENEN

Title (fr)
PROTEINES MULTIFONCTIONNELLES HYBRIDES ET RECEPTEURS DE LEPIDOPTERANE MODIFIES DESTINES A ETRE UTILISES POUR REGULER L'EXPRESSION TRANSGENIQUE

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Priority

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Abstract (en)
[origin: WO9902683A1] In accordance with the present invention, it has been discovered that nuclear receptor proteins isolated from the silk moth bombyx mori (bR) are useful for the regulation of transgene expression. bR is generally thought to be a strong transcriptional regulator within cells of the silk moth. In accordance with the present invention, it has been discovered that bR is also functional in mammalian cells. It has further been discovered that the addition of activation domains to the bR open-reading frame enhances the activity of the ligand modulated regulator to afford high-level transcriptional induction. Further modifications to the bR ligand binding domain result in receptors with unique tranactivational characteristics.

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