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(54) Title: HETERODIMERS AND METHODS OF USE THEREOF

(57) Abstract: Heterodimers are provided. Accordingly, there is provided a heterodimer comprising a dimerizing moiety attached to at least one amino acid sequence of at least one type I membrane protein capable of at least binding a natural ligand or receptor of said at least one type I membrane protein and to at least one amino acid sequence of at least one type II membrane protein capable of at least binding a natural ligand or receptor of said at least one type II membrane protein. Also provided are nucleic acid constructs and systems encoding the heterodimer, host-cells expressing same and methods of use thereof.



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