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(54) Title: CHIMERIC PROTEIN

(57) Abstract: A fusion protein containing a first segment that is located at the amino terminus of the fusion protein and specifically binds to and neutralizes a first cytokine or growth factor; and a second segment that is located at the carboxyl terminus of the fusion protein and specifically binds to a second cytokine receptor which is often rich at disease sites such as IL-1 receptor-rich inflammatory site. In addition, the said second segment is usually the receptor antagonist such as IL-1 receptor antagonist and its functional equivalent analogues. Also disclosed are nucleic acids encoding the fusion protein, vectors and host cells having the nucleic acids, and related composition and methods to target inflammatory diseases and indications co-existed with inflammation.

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