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(54) **SEQUESTRIN**

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530/328; 530/350

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185.1, 191.1, 269.1, 265.1, 272.1

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(57) **ABSTRACT**

In this application is described the expression cloning and
functional characterization of the CD36-binding domain of
Sequestrin. Sequestrin is a surface protein of 215–250 kD
size which does not vary in size between parasite strains.
The Sequestrin gene appears to be single-copy-number
within the genome; noncytoadherent laboratory parasite
strains carry the sequestrin gene but fail to express the
protein. Sequestrin binds with high affinity to CD36.
Sequestrin protein and sequence can be used as a diagnostic,
prognostic, and therapeutic tool.

14 Claims, 11 Drawing Sheets