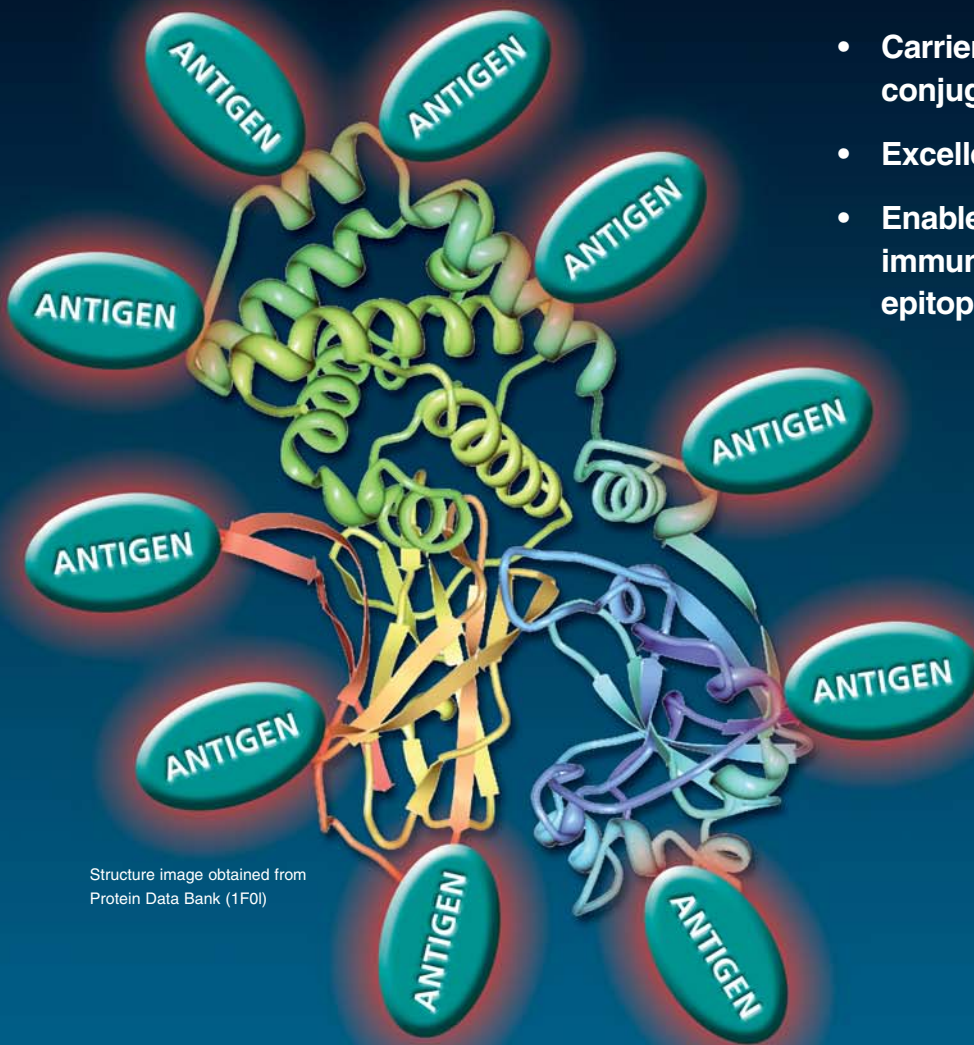


# Recombinant CRM197



Structure image obtained from  
Protein Data Bank (1F0)

- A nontoxic variant of diphtheria toxin
- Carrier protein for multiple approved conjugate vaccines
- Excellent carrier for B-cell epitopes
- Enables conversion of poorly immunogenic antigens to T-dependent epitopes that elicit IgG response

- Speed your vaccine product into the clinic
- Avoid slow, complex and costly production in a pathogenic organism
- Cost effective solution for sourcing a critical material for vaccine development

*Now available in commercial scale quantities  
cGMP and Reagent Grades*

**Pfenex - The New Standard for Protein Expression**

Pricing terms available on request. Please contact us at [proteins@pfenex.com](mailto:proteins@pfenex.com) for more information

 **Pfenex Inc.**

**Pfenex Inc.**

5501 Oberlin Drive, San Diego, CA 92121

(858) 352-4400 • Fax: (858) 352-4602

[www.pfenex.com](http://www.pfenex.com)