

## Recombinant CHIKV VLP Envelope Protein

**Cat. No.** VLP-633C    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Chikungunya Virus VLP is constructed from E1, E2 and C proteins. Concentration and purification is then performed by a series of ultracentrifuge and chromatographical methods which result in VLPs of exceptional quality and purity.                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Chikungunya Virus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | VLPs consist of protein shells comprising outer proteins specific to the virus in question. VLPs are more representative of how viral antigens are presented in vivo and whilst they are highly immunogenic they are non-infectious as they lack the core genetic material of the virus. Another important advantage of VLPs is that they more effectively activate key aspects of the immune response to achieve potent immune stimulation and to provide immunological memory. VLP-based vaccines have also shown to provide effective protection and are in current use for several diseases and in development for many others. |
| <b>Purity</b>           | >90% pure by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage</b>          | Store lyophilized product at 4 centigrade for short term, or frozen at -20 centigrade to -80 centigrade for long term.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Concentration</b>    | 0.1-0.6 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

### GENE INFORMATION

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                 |                           |
|-----------------|---------------------------|
| Official Symbol | VLP                       |
| Synonyms        | Virus-Like Particles; VLP |