

# Native Dinophyceae sp. Peridinin-chlorophyll-protein complex protein

**Cat. No.** PerCP-139    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Native Dinophyceae sp. Peridinin-chlorophyll-protein complex was purified from Dinophyceae sp.. Absorption Maximum: 480 nm± 2nm. Emission Maximum: 675 nm± 2nm. Extinction Coefficient: 0.406 x 10 <sup>6</sup> cm <sup>-1</sup> M <sup>-1</sup> .
<b>Species</b>	Dinophyceae sp.
<b>Source</b>	Dinophyceae sp.
<b>Description</b>	Peridinin-chlorophyll-protein complex (PerCP) is isolated from Dinophyceae sp. It has an extremely high absorbitivity, a high quantum efficiency, a large Stokes shift and a strong excitation peak at 482nm with its maximum emission peak at 677nm. The protein is commonly used for fluorescent immunolabeling, particularly in applications involving fluorescent-activated cell sorting (FACS).
<b>Form</b>	Supplied in solution of sodium phosphate buffer, pH 7.5, 15mM sodium azide.
<b>Molecular Mass</b>	35 kDa
<b>Purity</b>	A481/A280 ≥ 4.2 A481/A440 ≥ 1.05 A481/A670 ≥ 4.0 A620/A481 ≤ 0.05
<b>Notes</b>	PerCP is stored in containing salty solutions. Therefore, PerCP needs to be desalting.

 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



it must be extensively dialyzed prior to use or column to remove any remaining. Use PBS or your conjugation buffer (1 ml of PerCP to 1 liter of buffer) to dialyze at least two changes of buffer.

**Stability**

2 years under proper storage conditions.

**Storage**

Store at 4 centigrade, away from light. Do not freeze.  
For research or further manufacturing use only.

**Concentration**

15 mg/ml

 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