

Product no **AS07 273****Ycf3 | Photosystem I assembly protein ycf3****Product information**

<b>Immunogen</b>	full length recombinant ycf3 protein of <i>Chlamydomonas reinhardtii</i> UniProt: <a href="#">Q20031</a> , as described in <a href="#">Boudreau</a> et al. 1997
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Serum
<b>Format</b>	Lyophilized
<b>Quantity</b>	200 µl
<b>Reconstitution</b>	For reconstitution add 200 µl of sterile water
<b>Storage</b>	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

**Application information**

<b>Recommended dilution</b>	1 : 1000 (WB)
<b>Expected   apparent MW</b>	19 kDa
<b>Confirmed reactivity</b>	<i>Chlamydomonas reinhardtii</i> , cyanobacteria
<b>Predicted reactivity</b>	Algae, <i>Arabidopsis thaliana</i> , <i>Avena sativa</i> , <i>Chlorella vulgaris</i> , <i>Marchantia polymorpha</i> , <i>Phaseolus vulgaris</i> , <i>Physcomitrium patens</i> , <i>Chlorokybus atmophyticus</i> , <i>Ostreococcus tauri</i> Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Additional information</b>	Western blot detection image can be found in <a href="#">Boudreau</a> et al. 1997.
<b>Selected references</b>	<a href="#">Heinricke</a> et al. (2016). Tetratricopeptide repeat protein protects photosystem I from oxidative disruption during assembly. Proc Natl Acad Sci U S A. 2016 Mar 8;113(10):2774-9. doi: 10.1073/pnas.1524040113. Epub 2016 Feb 22. <a href="#">Naver</a> et al. (2001). Functional studies of Ycf3. The Plant Cell 13:2731- 2746. <a href="#">Boudreau</a> et al. (1997) The chloroplast ycf3 and ycf4 open reading frames of <i>Chlamydomonas reinhardtii</i> are required for the accumulation of the photosystem I complex. The EMBO J.16:6095-6104.