

product **AS07 273**

### Ycf3 | Photosystem I assembly protein ycf3

#### product information

<b>background</b>	Ycf3 together with Ycf4 have been found as extrinsic thylakoid membrane proteins which are required for the accumulation of PSI complex in <i>Chlamydomonas reinhardtii</i> .
<b>immunogen</b>	full length recombinant ycf3 protein of <i>Chlamydomonas reinhardtii</i> <a href="#">O20031</a> , as described in Boudreau et al. 1997
<b>antibody format</b>	rabbit polyclonal serum lyophilized
<b>quantity</b>	200 µl 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 tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.
<b>tested applications</b>	western blot (WB)
<b>additional information</b>	to be added when available

#### application information

<b>recommended dilution</b>	1: 1000 with standard ECL (WB)
<b>expected   apparent MW</b>	19 kDa
<b>confirmed reactivity</b>	<i>Chlamydomonas reinhardtii</i> , cyanobacteria
<b>predicted reactivity</b>	moss: <i>Physcomitrella patens</i> , liverwort: <i>Marchantia polymorpha</i> , green algae including: <i>Chlorella vulgaris</i> , soil algae including: <i>Chlorokybus atmophyticus</i> , cyanobacteria: <i>Ostreococcus tauri</i>
<b>not reactive in</b>	no confirmed exceptions from predicted reactivity known in the moment
<b>additional information</b>	western blot detection image can be found in <a href="#">Boudreau et al. 1997</a>
<b>selected references</b>	<a href="#">Naver et al. (2001)</a> . Functional studies of Ycf3. The Plant Cell 13:2731- 2746. <a href="#">Boudreau et al. (1997)</a> 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.