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contact: support@agrisera.com

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no **AS07 273**

Ycf3 | Photosystem I assembly protein ycf3

Product information

Background	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> .
Immunogen	full length recombinant ycf3 protein of <i>Chlamydomonas reinhardtii</i> UniProt: O20031 , as described in Boudreau et al. 1997
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	200 µl
Reconstitution	For reconstitution add 200 µl of sterile water.
Storage	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.
Tested applications	Western blot (WB)
Related products	AS07 274 Anti-Ycf4, rabbit antibodies Collection of antibodies to <i>Chlamydomonas</i> proteins

Application information

Recommended dilution	1 : 1000 (WB)
Expected apparent MW	19 kDa
Confirmed reactivity	<i>Chlamydomonas reinhardtii</i> , cyanobacteria
Predicted reactivity	Algae, <i>Chlorella vulgaris</i> , <i>Marchantia polymorpha</i> , <i>Physcomitrella patens</i> , <i>Chlorokybus atmophyticus</i> , <i>Ostreococcus tauri</i> Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known.
Additional information	Western blot detection image can be found in Boudreau et al. 1997 . For high resolution images, please visit the specific product page at www.agrisera.com
Selected references	Heinzel 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. Naver et al. (2001) . Functional studies of Ycf3. The Plant Cell 13:2731- 2746. Boudreau 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.

For high resolution images, please visit the specific product page at www.agrisera.com