

Product no **AS08 374****KatG | catalase peroxidase (HPI), cyanobacterial****Product information**

Immunogen	Recombinant full length KatG protein from <i>Synechocystis</i> sp. PCC 6803 (accessions P73911 and sll1987) with six His-tag on the terminus.
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 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

Recommended dilution	1 : 3000, 10 µg protein/lane (WB)
Expected apparent MW	84.4 84.4 kDa for <i>Synechocystis</i> sp. PCC 6803
Confirmed reactivity	<i>Synechocystis</i> sp. PCC 6803
Predicted reactivity	<i>Synechococcus</i> sp. including PCC 7302 and <i>S.elongatus</i> (PCC 6301, PCC 7942); other bacteria
	Species of your interest not listed? Contact us
Additional information	This product can be sold containing ProClin if requested

Selected references [Hakkila](#) et al. (2018). Group 2 Sigma Factors Are Central Regulators of Oxidative Stress Acclimation in Cyanobacteria. *Plant Cell Physiol.* 2018 Nov 8. doi: 10.1093/pcp/pcy221.

[Wenk](#) et al. (2012). A universally conserved GTPase regulates the oxidative stress response in *Escherichia coli*. *J Bio. Chem.* Nov 8.

10 µg of total protein from *Synechocystis* sp. PCC 6803 WT strain (1) and 2000:1 strain (2) was separated on a 8.0% gel and blotted to nitrocellulose membrane. Filters were blocked for 1h and incubated with anti-KatG antibody (3.0000, 1h) followed by incubation with HRP-conjugated secondary anti-mouse antibody (3.0000, 1h). Signal was detected with standard ECL. There are two bands observed in WT that are not present in the Δ katG strain, the band at 55 kDa is most probable a degradation product of the full length KatG protein.

