

Product no **AS16 3991****PSY | Phytoene synthase****Product information**

Immunogen	KLH-conjugated synthetic peptide derived from <i>Arabidopsis thaliana</i> PSY sequence, UniProt: P37271 , TAIR: At5g17230
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution add 50 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	1:2 000 (WB)
Expected apparent MW	47 kDa
Confirmed reactivity	<i>Malus domestica</i>
Predicted reactivity	<i>Arabidopsis thaliana</i> , <i>Chlamydomonas reinhardtii</i> , <i>Daucus carota</i> , <i>Solanum lycopersicum</i> (PSY1 and PSY2), <i>Zea mays</i>
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Cerdà et al. (2020). Functional characterisation and in silico modelling of MdPSY2 variants and MdPSY5 phytoene synthases from <i>Malus domestica</i> . J Plant Physiol . 2020 Jun;249:153166.doi: 10.1016/j.jplph.2020.153166.