

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

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