

P04007

## DSY-6 Yeast Expression Strain

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<b>Product</b>	DSY-6 protease deficient yeast expression strain
<b>Contents</b>	Yeast stab culture
<b>Storage</b>	Store stab culture at 4°C for up to 2 months
<b>Handling</b>	<p><b>Stab cultures</b></p> <p>Insert a sterile inoculation loop into the cloudy area of the agar stab, remove and streak onto a YPD plate. Seal plate with parafilm and incubate at 30°C for 2-3 days until white 1-2 mm diameter colonies appear. Proceed immediately to preparing glycerol stocks. Store plate at 4°C for up to 1 month.</p> <p><b>Preparing glycerol stocks</b></p> <p>Inoculate several colonies into 20 ml liquid YPD medium and grow overnight at 30°C with shaking. Pellet cells by centrifugation at 2500x g for 5 minutes, discard the supernatant and resuspend the pellet in 10 ml freezing mix (2xYPD medium / 25% glycerol). Aliquot into cryotubes and place at -80°C (do NOT flash freeze in liquid nitrogen!). Glycerol stocks are viable for several years when stored at -80°C. To restreak a stock, remove a cryotube from the freezer and scratch off the yeast from the surface of the frozen stock using a sterile loop. Streak onto a YPD plate, seal the plate with parafilm and incubate at 30°C for 2-3 days. Yeast plates can be stored at 4°C for 1 month. Do not use yeast older than 1 month for transformation.</p>
<b>Genotype</b>	<i>MATa leu2 trp1Δ63 ura3-52 prb1-22 pep4-3 prc1-407</i>
<b>Application</b>	DSY-6 has been designed for expression of recombinant proteins in yeast. Good growth characteristics ensure high cell densities both in synthetic defined (SD) and rich (YPD) medium. Deletion of <i>prb1</i> encoding the vacuolar proteinase B ( <i>yscB</i> ), <i>pep4</i> encoding the vacuolar aspartyl protease (proteinase A) and <i>prc1</i> encoding the vacuolar carboxypeptidase Y (proteinase C) ensures minimal protein degradation during cell lysis and protein extraction.
<b>Support</b>	Please see <a href="http://www.dualsystems.com">www.dualsystems.com</a> for support and protocols. Please direct support inquiries to <a href="mailto:support@dualsystems.com">support@dualsystems.com</a> or call +41 44 738 50 00.
<b>Research use</b>	This product is intended for research use only, not for diagnostic or therapeutic uses.
<b>MSDS</b>	Non-hazardous. No MSDS required. Observe good laboratory practice guidelines and wear gloves, laboratory coat and glasses when handling the product.
<b>Version</b>	2009-1