

P04007

DSY-6 Yeast Expression Strain

Product	DSY-6 protease deficient yeast expression strain
Contents	Lyophilized yeast culture
Storage	Store lyophilized strain at room temperature, do not freeze
Handling	<p>Lyophilized strains</p> <p>To rehydrate the strain, add 50 µl sterile Millipore quality water and let stand for 10 minutes at room temperature. Resuspend by gentle shaking (some undissolved clumps may remain, this does not decrease the performance of the strain) and streak out 5 µl and 40 µl on fresh YPAD plates. Incubate at 30°C for 2-3 days, you should see 1-2 mm diameter white/pinkish colonies. Store plate at 4°C, restreak every week.</p> <p>Strains supplied in 1x PBS pH 7.5 as liquid culture</p> <p>Upon receipt, briefly vortex the tube and restreak the strain onto a fresh YPAD plate. Incubate at 30°C for 2-3 days, you should see 1-2 mm diameter white/pinkish colonies. Store plate at 4°C, restreak every week.</p> <p>Preparing glycerol stocks</p> <p>Inoculate several colonies into 20 ml liquid 1x YPAD 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 (2x YPAD 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 YPAD 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>
Genotype	<i>MATa leu2 trp1Δ63 ura3-52 prb1-22 pep4-3 prc1-407</i>
Application	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.
Support	Please see www.dualsystems.com for support and protocols. Please direct support inquiries to support@dualsystems.com or call +41 44 738 50 00.
Research use	This product is intended for research use only, not for diagnostic or therapeutic uses.
MSDS	Non-hazardous. No MSDS required. Observe good laboratory practice guidelines and wear gloves, laboratory coat and glasses when handling the product.
Version	2008-1