Datasheet for ABIN488518

Psbd Protein

Go to Product page

Overview

Quantity:	250 µL
Target:	Psbd
Host:	Please inquire
Application:	Western Blotting (WB)

Product Details

Brand:	SERVA®
Purification:	affinity purified

Target Details

Target:	Psbd
Background:	D2 protein (PsbD) forms the reaction core of PSII (Photosystem II) as a heterodimer with the D1 protein (PsbA). PsbD is homologous to the D1 protein, with slightly higher molecular mass of about 39,5 kDa. Accumulation of D2 protein is an important step in the assemply of the PSII reaction centre complex.This product is a recombinant protein standard, source Synechocystis strain PCC 6803.
Molecular Weight:	in most gel systems PsbD migrates around 28-30 kDa

Application Details

Application Notes:	Standard curve: 3 loads are recommended (0.5, 2 and 4i1/4l).For most applications a sample load of 0.2i1/4g of chlorophyll will give a PsbD signal in this range.Positive control: a 2i1/4l load per well is optimal for most chemiluminescent detection systems. This standard is stabilized

Application Details

	and ready and does not require heating before loading on the gel.Please note that this product contains 10 % glycerol and might appear as liquid but is provided lyophilized. Allow the product several minutes to solubilize after adding water. Mix thoroughly but gently Take extra care to mix thoroughly before each use, as the proteins tend to settle with the more dense layer after freezing.
Comment:	Concentration: after adding 225 µl of milliQ water final concentration of the standard is 0.25 pmoles/ulProtein standard buffer composition: Glycerol 10%, Tris Base 141 mM, Tris HCl 106 mM, LDS 2%, EDTA 0.51 mM, SERVA® Blue G250 0.22 mM, Phenol Red 0.175 mM, pH 8.5, 0.1mg/ml PefaBloc protease inhibitor (Roche), 50mM DTT.This standard is ready-to-load and does not require any additions or heating. It needs to be fully thawed and thoroughly mixed prior to using. Avoid vigorous vortexing, as buffers contain detergent. Following mixing, briefly pulse in a microcentrifuge to collect material from cap.This standard is stabilized and ready and does not require heating before loading on the gel. Please note that this product contains 10% glycerol and might appear as liquid but is provided lyophilized. Allow the product several minutes to solubilize after adding water. Mix thoroughly but gently Take extra care to mix thoroughly before each use, as the proteins tend to settle with the more dense layer after freezing.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	For reconstitution add 225 µL of milliQ water. Please notice that this product contains 10 % glycerol and might appear as liquid but is provided lyophilized.
Buffer:	Glycerol 10 %, Tris Base 141 mM, Tris HCl 106 mM, LDS 2 %, EDTA 0.51 mM, SERVA® Blue G250 0.22 mM, Phenol Red 0.175 mM, pH 8.5, 0.1 mg/mL PefaBloc protease inhibitor (Roche), 50 mM DTT. This standard is ready-to-load and does not require any additions or heating.
Handling Advice:	Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes. Once reconstituted make aliquots to avoid repreated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	store lyophilized/reconstituted at -20°C, once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.