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## Product Datasheet

### CP43 | IsiA homolog of plant CP43 positive control/quantitation standard AGR-AS10-111S

Article Name	CP43   IsiA homolog of plant CP43 positive control/quantitation standard
Biozol Catalog Number	AGR-AS10-111S
Supplier Catalog Number	AS10-111S
Alternative Catalog Number	AGR-AS10-111S
Manufacturer	Agrisera
Category	Sonstiges
Application	WB
Product Description	This product is a recombinant protein standard, source: Synechocystis strain PCC 6803....
Molecular Weight	27 kDa (slightly larger than native protein due to His-tag)
Form	Lyophilized
Antibody Type	Secondary Antibody
Application Dilute	Standard curve: 3 loads are recommended (2.5 and 10 µl).For most applications a sample load of 0.2 µg of chlorophyll will give a IsiA signal in this range.Positive control: a 2 µl load per well is optimal for most chemiluminescent detection systems.This s

Application Notes

Concentration: after adding 225  $\mu$ l of milliQ water final concentration of the standard is 0.15 pmoles/ $\mu$ l  
Protein 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, 0.1 mg/ml PefaBloc protease inhibitor (Roche), 50 mM 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. 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.