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Product Datasheet

PsbD | D2 protein of PSII positive control/quantitation standard AGR-AS09-146S

Artikelname	PsbD D2 protein of PSII positive control/quantitation standard
Artikelnummer	AGR-AS09-146S
Hersteller Artikelnummer	AS09-146S
Alternativnummer	AGR-AS09-146S
Hersteller	Agrisera
Kategorie	Proteine/Peptide
Applikation	WB
Produktbeschreibung	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 st...
Molekulargewicht	In most gel systems PsbD migrates around 28-30 kDa
Formulierung	Lyophilized in glycerol
Antibody Type	Secondary Antibody
Application Verdünnung	Standard curve: 3 loads are recommended (0.5, 2 and 4 µl). For most applications a sample load of 0.2 µg of chlorophyll will give a PsbD signal in this range. Positive control: a 2 µl load per well is optimal for most chemiluminescent detection systems. Thi

Anwendungsbeschreibung	Concentration: after adding 225 µl of milliQ water final concentration of the standard is 0.25 pmoles/ul 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. 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.
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