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Product Datasheet

RbcL II | Rubisco form II positive control/quantitation standard AGR-AS15-2955S

Artikelname	RbcL II Rubisco form II positive control/quantitation standard
Artikelnummer	AGR-AS15-2955S
Hersteller Artikelnummer	AS15-2955S
Alternativnummer	AGR-AS15-2955S
Hersteller	Agrisera
Kategorie	Sonstiges
Applikation	WB
Produktbeschreibung	Rubisco (Ribulose-1,5-bisphosphate carboxylase/oxygenase) catalyzes the rate-limiting step of CO ₂ fixation in photosynthetic organisms. Form II Rubisco is present in many photosynthetic bacteria and archaea and in some photosynthetic dinoflagellates....
Molekulargewicht	52.7 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/well will give a RbcL signal in this range.Positive control: a 2 µl load per well is optimal for most chemiluminescent detection systems

Anwendungsbeschreibung

Concentration: after re-constitution with sterile milliQ water final concentration of the standard is 0.15 pmoles/ μ 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. 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. Please, use the 55 kDa size of RbCL for calculations. The pmoles in the standard refer to pmoles of RbCL monomers.