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Product Datasheet

PEPC | Phosphoenolpyruvate carboxylase positive control/quantitation standard AGR-AS09-458S

Article Name	PEPC Phosphoenolpyruvate carboxylase positive control/quantitation standard
Biozol Catalog Number	AGR-AS09-458S
Supplier Catalog Number	AS09-458S
Alternative Catalog Number	AGR-AS09-458S
Manufacturer	Agrisera
Category	Sonstiges
Application	WB
Product Description	Phosphoenolpyruvate carboxylase (PEPC, EC 4.1.1.31) serves as an important control element in the regulation of photosynthetic carbon metabolism in C4 and CAM plants. This is the first enzyme of the pathway, and PEPC enzymes are encoded by a small mu...
Molecular Weight	110 105 kDa
Form	Lyophilized in glycerol.
Antibody Type	Secondary Antibody
Application Dilute	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

Application Notes

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. 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.