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## Product Datasheet

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

Artikelname	PEPC   Phosphoenolpyruvate carboxylase positive control/quantitation standard
Artikelnummer	AGR-AS09-458S
Hersteller Artikelnummer	AS09-458S
Alternativnummer	AGR-AS09-458S
Hersteller	Agrisera
Kategorie	Sonstiges
Applikation	WB
Produktbeschreibung	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...
Molekulargewicht	110   105 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/ $\mu$ 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. 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.