Recombinant Aequorea victoria GFP Protein (His Tag)

Catalog Number: PKSQ050001

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Species	Aequorea victoria
Source	E.coli-derived Aequorea victoria Aequorea victoria GFP protein Ser 2-Lys 238, with an
	N-terminal His
Calculated MW	28.7 kDa
Observed MW	35 kDa
Accession	AAB65663
Bio-activity	Not validated for activity
Properties	
Purity	>90 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80
	°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of
	reconstituted samples are stable at $< -20^{\circ}$ C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.5
	Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants
	before lyophilization.
	Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.
Data	
	KDa M
	116
	66.2
	45.0
	35.0
	25.0
	18.4

> 90 % as determined by reducing SDS-PAGE.

14.4

Background

The green fluorescent protein (GFP) is a protein that exhibit bright green fluorescence when exposed to blue light. GFPSparkTM is an improved variant of the green fluorescent protein GFP. It possesses bright green fluorescence (excitation/emission max = 487/58 nm) that is visible earlier than fluorescence of other green fluorescent proteins. GFPSparkTM is mainly intended for applications where fast appearance of bright fluorescence is crucial. Its amazing ability to generate a highly visible, efficiently emitting internal fluorophore is both intrinsically fascinating and tremendously valuable. It is specially recommended for cell and organelle labeling and tracking the promoter activity.

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