

Recombinant GFP Protein

Catalog Number: PDEO100021

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

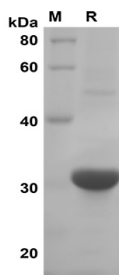
Description

Species	Aequorea victoria
Source	E.coli-derived Aequorea victoria GFP protein Met1-Lys238, with an N-terminal His
Calculated MW	26.9 kDa
Observed MW	30 kDa
Accession	P42212
Bio-activity	Not validated for activity

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
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°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of GFP proteins, 2µg/lane of
Recombinant GFP proteins was resolved with SDS-PAGE
under reducing conditions, showing bands at 30 KD.

Background

Energy-transfer acceptor. Its role is to transduce the blue chemiluminescence of the protein aequorin into green fluorescent light by energy transfer. Fluoresces in vivo upon receiving energy from the Ca²⁺-activated photoprotein aequorin.

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