



Recombinant Protein Technical Manual

Recombinant Aequorea victoria GFP Protein (His Tag)
RPES3450

Product Data:

Product SKU: RPES3450

Size: 50µg

Species: Aequorea victoria

Expression host: E. coli

Uniprot: AAB65663

Protein Information:

Molecular Mass: 28.7 kDa

AP Molecular Mass: 35 kDa

Tag: N-His

Bio-activity:

Purity: > 90 % as determined by SDS-PAGE

Endotoxin: Please contact us for more information.

Storage: 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 sterile PBS, pH 7.5

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: GFP

Immunogen Information:

Sequence: Ser 2-Lys 238

Background:

The green fluorescent protein (GFP) is a protein that exhibit bright green fluorescence when exposed to blue light. GFPSpark™ 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. GFPSpark™ 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.