

EcoPlant GUS

100 µL (50 ng/µL; 5 µg total DNA)

Cat No: PL0008

Shipping : Ship at ambient temperature.

Storage : Store at -20°C.

General Information

EcoPlant GUS is a gus plant binary expression vector designed for the molecular biology applications described below. It is supplied as purified plasmid DNA for research use only.

Vector Information

Vector size: 14758 bp

Promoter: CaMV 35S promoter; NOS promoter

Bacterial selection: Kanamycin resistance; tetracycline resistance shown on map

Mammalian selection: Not applicable

Reporter / tag: GUS (β-glucuronidase) reporter; NeoR/KanR plant selection cassette

Origin of replication: oriV; bacterial replication/transfer elements

Applications

Agrobacterium-mediated plant transformation; Plant gene expression studies; GUS reporter assays; Plant promoter / transgene studies.

Multiple Cloning Site (MCS)

HindIII - SbfI - XbaI - BamHI - XmaI/SmaI (cloning-region sites shown near the CaMV 35S/GUS cassette)

Important Note

For Research Use Only. Not for use in diagnostic procedures. The supplied map shows RB/LB T-DNA repeats, CaMV 35S-driven GUS, NOS regulatory elements and a NeoR/KanR selection cassette within the T-DNA region. Vector behavior and selection conditions should be validated for the intended plant/Agrobacterium system.

