

StayBrite Highly Stable Luciferase recombinant protein
Luciferase
Catalog # PBV11417r**Specification**

StayBrite Highly Stable Luciferase recombinant protein - Product info**StayBrite Highly Stable Luciferase recombinant protein - Additional Info****Other Names**

Luciferase, luciferin

Assay&Purity
Assay2&Purity2
Recombinant**SDS-PAGE; ≥90%**
HPLC;
Yes**Application Notes**

Reconstitute with appropriate reconstitution buffer

Format

Lyophilized powder

Storage-20°C; Lyophilized from 0.05 M NH₂CO₃**StayBrite Highly Stable Luciferase recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

StayBrite Highly Stable Luciferase recombinant protein - Images**StayBrite Highly Stable Luciferase recombinant protein - Background**

BioVision's StayBrite Highly Stable Luciferase (rLucHS) is a genetically modified variant derived from the Luciferase of *Diaphanes pectinealis* (Chinese Firefly) endemic to Yunnan province, China. It has been modified to provide enhanced stability compared to the normal phenotype of *Photinus pyralis* as well as a broader and more physiologically relevant effective pH range. At all pHs below 8.2, rLucHS is significantly more active than commercial *Photinus* luciferase and is stable for weeks at room temperature and > 60 minutes at 37°C.