

Promega Imaging & Screening Plasmid Collection

Plasmid collection designed for studying target engagement, protein–protein interactions, and targeted protein degradation, unlocking powerful insights critical to drug discovery and other biological breakthroughs.

- **NGS sequence-verified:** for construct accuracy and reliability
- **Available MTA-free:** easy ordering & delivery
- **Format flexibility:** available as bacterial stab or purified DNA (20 µg)

	DESCRIPTION	ENABLING
Screening Studies	Human ORFs fused to NanoLuc®, HaloTag®, HiBiT®, SmBiT/LgBiT tags; promoter/response-element reporters (e.g., pGL3/pGL4, ATF4-RE)	High-throughput functional screens, gain-of-function assays, transcription factor and promoter activity tests
Live-Cell PPI & Target Engagement	NanoBRET® donor/acceptor pairs (NanoLuc donor + HaloTag acceptor); e.g., MLL1/WDR5, YAP1, PRMT5 sets	Real-time protein–protein interaction mapping, target engagement and compound MOA studies in cells
Real-Time Complementation Assays	NanoBiT® split luciferase vectors (SmBiT/LgBiT)	Dynamic detection of complex formation dissociation, pathway activation, and kinetics in live cells
Endogenous Protein Quantitation/Tagging	HiBiT®/SmBiT minimal tags and fusion vectors (e.g., TP53-HiBiT)	Sensitive quantitation of endogenous proteins, secretion assays, trafficking and internalization studies
Localization, Imaging & Pulldown	HaloTag® fusion vectors (e.g., VCP-HaloTag)	Live-cell imaging with Halo ligands, pulse-chase, super-resolution label
Pathway & Transcriptional Readouts	Luciferase reporter vectors (Firefly luc2, Renilla hRLuc; pGL3/pGL4 families; response-element reporters)	Quantitative gene expression and pathway activity assays (dual-luc, dose–response, inhibitor screens)
Second-Messenger Signaling	GloSensor® cAMP/cGMP plasmids (e.g., GloSensor-40F cGMP)	Live-cell monitoring of cAMP/cGMP and GPCR/kinase signaling dynamics

Explore the collection: addgene.org/depositor-collections/promega

【輸入総代理店】

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