Catalog No. PXC-014-1

Split Luc HEK293 SSTR2 β-Arrestin-1 Cell Line

Product Summary

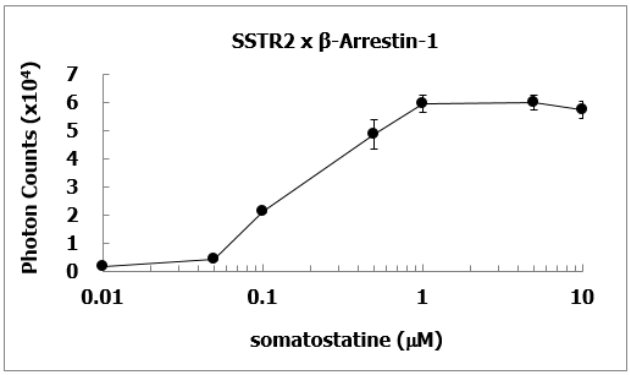
The N-terminal and C-terminal fragments of unique split click beetle luciferase are fused to β-arrestin and GPCR, respectively. Binding of a ligand to GPCR triggers phosphorylation of GPCR, thereby inducing its interaction with β-arrestin. This interaction brings the N-terminal luciferase into proximity with the C-terminal luciferase, and bioluminescence activity is recovered. To detect this reaction, Split Glo Cell Assay Reagent (Catalog No. PXR-SG001) is required.

Description

Receptor Family	Somatostatin
Target GPCR	SSTR2
Coupling	Gi
Accession Number	NM_001050
Description	Somatostatin receptor 2
β-Arrestin Isoform	β-Arrestin-1
Cell Line	HEK293
Species	Human
Storage	Liquid Nitrogen

Function

Control Agonist	Somatostatin
Assay Plate	96 well plate
Cell number / well	2 x 10^4
Assay wells	4
Incubation time (min)	20
Incubation temperature (℃)	37
Agonist concentration (μM)	1
S/B Ratio	166.8



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