

Materials List for:

G Protein-selective GPCR Conformations Measured Using FRET Sensors in a Live Cell Suspension Fluorometer Assay

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Materials

Name	Company	Catalog Number	Comments
B2-AR-10 nm-Gas peptide sensor	Addgene	47438	https://www.addgene.org/Sivaraj_Sivaramakrishnan/
GeneJET Plasmid Miniprep Kit	Fermentas/Fisher Sci	FERK0503	Elute in 2 mM Tris elution buffer
HEK-293T-Flp-n cells	Life Technologies	R78007	
Trypsin (0.25%)	Life Technologies	25200056	
DMEM- high glucose	Life Technologies	11960-044	Warm in 37 °C water bath before use
FBS, certified, Heat inactivated, US origin	Life Technologies	10082147	
Glutamax I 100x	Life Technologies	35050061	
HEPES	Corning	MT25060CL	
Opti-MEM	Life Technologies	31985-070	Reduced serum media; Bring to RT before use
XtremeGene HP transfection reagent	Roche	6366236001	Highly recommended for its consistency. Bring to RT before use
FluoroMax 4	Horiba		Use with FluorEssence V3.8 software
3-mm path length quartz cuvette	Starna	NC9729944(16.45F-Q-3/z8.5)	May require cuvette holder/adaptor for use in Fluorometer, available from Starna
Sc100-S3 Heated Circulating water bath pump	Fisher Scientific	13-874-826	Warm to 37 °C before use
Thermomixer Heat Block	Eppendorf	22670000	Warm to 37 °C before use
Ultrapure DNA/RNase free water	Life Technologies	10977015	Use at RT
D(+)-glucose, anhydrous	Sigma	G5767	
aprotinin from bovine lung	Sigma	A1153	
leupeptin hemisulfate	EMD	10-897	
L-ascorbic acid, reagent grade	Sigma	A0278	
(-)-isoproterenol (+)-bitartrate	Sigma	I2760	Use fresh aliquot each experiment