

Materials List for:

# Measuring G-protein-coupled Receptor Signaling via Radio-labeled GTP Binding

Chirag Vasavda<sup>\*1</sup>, Nicholas W. Zaccor<sup>\*1</sup>, Paul C. Scherer<sup>1</sup>, Charlotte J. Sumner<sup>1,2</sup>, Solomon H. Snyder<sup>1,3,4</sup>

<sup>1</sup>The Solomon H. Snyder Department of Neuroscience, Johns Hopkins University School of Medicine

<sup>2</sup>Department of Neurology and neurosurgery, Johns Hopkins University School of Medicine

<sup>3</sup>Departments of Pharmacology and Molecular Sciences, Johns Hopkins University School of Medicine

<sup>4</sup>Department of Psychiatry and Behavioral Sciences, Johns Hopkins University School of Medicine

\*These authors contributed equally

Correspondence to: Solomon H. Snyder at [ssnyder@jhmi.edu](mailto:ssnyder@jhmi.edu)

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## Materials

Name	Company	Catalog Number	Comments
DMEM, high glucose, pyruvate, no glutamine	Thermo Fisher Scientific	10313021	Warm in a 37°C water bath before use
L-glutamine	Thermo Fisher Scientific	25030081	Warm in a 37°C water bath before use
Penicillin-Streptomycin	Thermo Fisher Scientific	15140122	Warm in a 37°C water bath before use
Opti-MEM I Reduced Serum Medium	Thermo Fisher Scientific	31985070	Warm in a 37°C water bath before use
Fetal Bovine Serum (FBS)	Thermo Fisher Scientific	16000044	Warm in a 37°C water bath before use
Cell culture 10 cm plate	Sigma-Aldrich	CLS430167	
Lipofectamine 3000 reagent	Thermo Fisher Scientific	L3000-008	
1.6 mL microcentrifuge tubes	USA Scientific	1615-5500	
4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid (HEPES)	Sigma-Aldrich	H3375	
Tris(hydroxymethyl)aminomethane (Trizma base)	Thermo Fisher Scientific	BP152-1	
ethylene glycol-bis(β-aminoethyl ether)-N,N,N',N'-tetraacetic acid (EGTA)	Sigma-Aldrich	E3889	
Ethylenediaminetetraacetic acid (EDTA)	Sigma-Aldrich	E9884	
Sucrose	Sigma-Aldrich	S5016	
cOmplete ULTRA Tablets, Mini, EASYpack Protease Inhibitor Cocktail	Sigma-Aldrich	2900	
DL-Dithiothreitol (DTT)	Sigma-Aldrich	DO632	
Sodium chloride (NaCl)	Thermo Fisher Scientific	BP358-1	
Magnesium chloride (MgCl <sub>2</sub> )	Sigma-Aldrich	M1028-1	
Pellet pestles motor	Sigma-Aldrich	Z359971	
Pestles	Bel Art	F19923-0001	
Bovine serum albumin (BSA)	Affymetrix	10857	
[ <sup>35</sup> S]guanosine-5'-O-(3-thio)triphosphate ([ <sup>35</sup> S]GTPγS)	Perkin Elmer	NEG030H	

nonradiolabeled guanosine-5'-O-(3-thio)triphosphate (GTPγS)	Sigma-Aldrich	89378	
guanosine diphosphate (GDP)	Sigma-Aldrich	51060	
Bradford reagent	Bio-Rad	5000006	
UV/VIS spectrophotometer	Beckman Coulter	DU640	
spectrophotometer cuvettes	USA Scientific	9090-0460	
orbital shaker	Thermo Fisher Scientific	2314	
thermomixer	Eppendorf	535027903	
glass fiber filters	GE Healthcare Life Sciences	1821-021	
vacuum filtration apparatus	Millipore Corporation	XX2702550	
desktop microcentrifuge	Eppendorf	65717	
Scintillation counter	Beckman Coulter	LS6500	
scintillation fluid	Ecoscint A	LS-273	
scintillation counter vials	Beckman Coulter	592690	
scintillation vial lids	Beckman Coulter	592928	
Prism 6	GraphPad Software	PRISM 6	
ATP1A1 antibody	Developmental Studies Hybridoma	a6F	1:1000 in 3% BSA
GAPDH antibody	EMD Millipore	CB1001	1:5000 in 3% BSA
H2B antibody	Cell Signaling	2934S	1:2500 in 3% BSA
PDI antibody	Cell Signaling	3501S	1:1000 in 3% BSA
HA antibody	Roche	11867423001	1:2000 in 3% BSA