

Materials List for:

# HSV-Mediated Transgene Expression of Chimeric Constructs to Study Behavioral Function of GPCR Heteromers in Mice

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URL: <https://www.jove.com/video/53717>

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## Materials

Name	Company	Catalog Number	Comments
mGlu2 bicitronic herpes simplex virus (HSV) vector	MIT Core		mGlu2 and mGlu2DTM4N were subcloned into the bicitronic HSV-GFP virus vector p1005+ HSV expressing GFP under the control of the CMV promoter. Viral particles were produced by the Viral Core Facility at the McGovern Institute (MIT). For more information, please contact the director, Dr. Rachael Neve ( <a href="mailto:rneve@mit.edu">rneve@mit.edu</a> )
mGlu2ΔTM4N bicitronic herpes simplex virus (HSV) vector	MIT Core		mGlu2 and mGlu2DTM4N were subcloned into the bicitronic HSV-GFP virus vector p1005+ HSV expressing GFP under the control of the CMV promoter. Viral particles were produced by the Viral Core Facility at the McGovern Institute (MIT). For more information, please contact the director, Dr. Rachael Neve ( <a href="mailto:rneve@mit.edu">rneve@mit.edu</a> )
GFP bicitronic herpes simplex virus (HSV) vector	MIT Core		mGlu2 and mGlu2DTM4N were subcloned into the bicitronic HSV-GFP virus vector p1005+ HSV expressing GFP under the control of the CMV promoter. Viral particles were produced by the Viral Core Facility at the McGovern Institute (MIT). For more information, please contact the director, Dr. Rachael Neve ( <a href="mailto:rneve@mit.edu">rneve@mit.edu</a> )
Xylazine	Lloyd	List no. 4811-20ml, NADA #139-236, NDC Code(s): 61311-481-10	1.35 ml of ketamine (100 mg/ml) + 0.75 ml of xylazine (20 mg/ml) are diluted in 12.0 ml of 0.9% saline solution
Ketamine	Vedco	KetaVed-10ml, NADA #200-029, NDC Code(s): 50989-161-06	1.35 ml of ketamine (100 mg/ml) + 0.75 ml of xylazine (20 mg/ml) are diluted in 12.0 ml of 0.9% saline solution
Ophthalmic gel	Fisher Scientific	NC0550805	
Burret clips	Fisher Scientific	NC9268369	
Feather surgical blade	Fisher Scientific	NC9032736	

Hydrogen Peroxide	Fisher Scientific	19-898-919	
Hamilton syringe	Fisher Scientific	14815203	
Hamilton™ Small Hub Removable Needles (33 Ga)	Fisher Scientific	14816206	
Cordless Micro Drill	Fisher Scientific	NC9089241	
Dermabond Dermal Adhesive	Fisher Scientific	NC0690470	
(±)-1-(2,5-Dimethoxy-4-iodophenyl)-2-aminopropane hydrochloride (DOI)	Sigma-Aldrich	42203-78-1	Dissolved in 0.9% saline solution to the concentration of 2.0 mg/kg