Title:	Effect of Ser/Thr Phosphatases on the Recycling of Metabotropic Glutamate Receptor 5 (mGluR5) in HEK293 cells
Authors:	Roy, Bia (/jspui/browse?type=author&value=Roy%2C+Bia)
Keywords:	Biology Metabotropic Glutamate Receptors G- Protein L-glutamate
Issue Date:	26-Jun-2015
Publisher:	IISER-M
Abstract:	Metabotropic Glutamate receptors are G- Protein coupled receptors for L-glutamate, an excitatory neurotransmitter. mGluR5 is a subtype of Group I mGluRs which plays a critical role in neuronal development, activity dependent synaptic plasticity and implicated in various neuropsychiatric disorders. mGluR5 undergoes endocytosis via two pathways- ligand-mediated and ligand independent or constitutive pathway. Previous study has shown that the mGluR5 receptors undergoing constitutive endocytosis, enter the recycling compartment and recycle back to the cell surface in HEK293 cells. Here I have studied the effect of serine/threonine protein phosphatase inhibitory drugs in the recycling process after constitutive endocytosis of mGluR5 to investigate the role of protein phosphatases, if any, in this pathway.
URI:	http://hdl.handle.net/123456789/659 (http://hdl.handle.net/123456789/659)
Appears in Collections:	MS-09 (/jspui/handle/123456789/393)

Files in This Item:

File	Description	Size	Format	
MS-09037.pdf (/jspui/bitstream/123456789/659/1/MS-09037.pdf)		547.53 kB	Adobe PDF	View/Open (/jspui/bitstream/123456789/659/1/MS-0

Show full item record (/jspui/handle/123456789/659?mode=full) (/jspui/handle/123456789/659/statistics)