

cAMP pathway

Symbol	Alternative Name	Function	t _{1/2} (basal)	t _{1/2} (stim)	t _{1/2} (used)	Reference
ADRB1/3	β1- or β3-adrenergic receptor	Receptor	25-200h		50h	(Mahan <i>et al</i> , 1987)
ADRB2	β2-adrenergic receptor	Receptor	>20h	3h	22h	(Jockers <i>et al</i> , 1999)
ARRB2	Beta-Arrestin2	Modulator	11h		11h	(Shenoy and Lefkowitz, 2003)
ADRBK1	GRK2	Kinase	~1h ~8h ~2h		2h	(Salcedo <i>et al</i> , 2006) (Salcedo <i>et al</i> , 2006) (Salcedo <i>et al</i> , 2006)
GNAI2	Galpha i2	G-protein	27h 80h 41h		41h	(Liao and Clark, 1995) (Hadcock <i>et al</i> , 1990) (Hotta <i>et al</i> , 2000)
GNAS	Gs alpha	G-protein	50h		50h	(Hadcock <i>et al</i> , 1990)
ADCY2	AC2	Adenylate Cyclase	40h		40h	(Bouhelal <i>et al</i> , 1987)
ADCY3	AC3	AC	40h		40h	(Bouhelal <i>et al</i> , 1987)
ADCY4	AC4	AC	40h		40h	(Bouhelal <i>et al</i> , 1987)
ADCY5	AC5	AC	40h		40h	(Bouhelal <i>et al</i> , 1987)
ADCY6	AC6	AC	40h		40h	(Bouhelal <i>et al</i> , 1987)
ADCY8	AC8	AC	40h		40h	(Bouhelal <i>et al</i> , 1987)
PDE4 B/D	PDE4	Phosphodiesterase		<3.3h ~1.2h	1.2h	(Delgado <i>et al</i> , 2003) (Russell and Pastan, 1974)
PRKAR1A	Protein Kinase A RI alpha	Kinase	17h 20h 8h		17h	(Nesterova <i>et al</i> , 2000) (Nesterova <i>et al</i> , 2000) (Steinberg and Agard, 1981)
PRKAR2A	Protein Kinase A RII alpha	Kinase	19h 20h		19.5h	(Nesterova <i>et al</i> , 2000) (Nesterova <i>et al</i> , 2000)
PRKAR2B	Protein Kinase A RII beta	Kinase	2h 5h		3.5h	(Nesterova <i>et al</i> , 2000) (Nesterova <i>et al</i> , 2000)
PRKACA	Protein Kinase A C alpha	Kinase	27h 26h		26.5h	(Nesterova <i>et al</i> , 2000) (Nesterova <i>et al</i> , 2000)