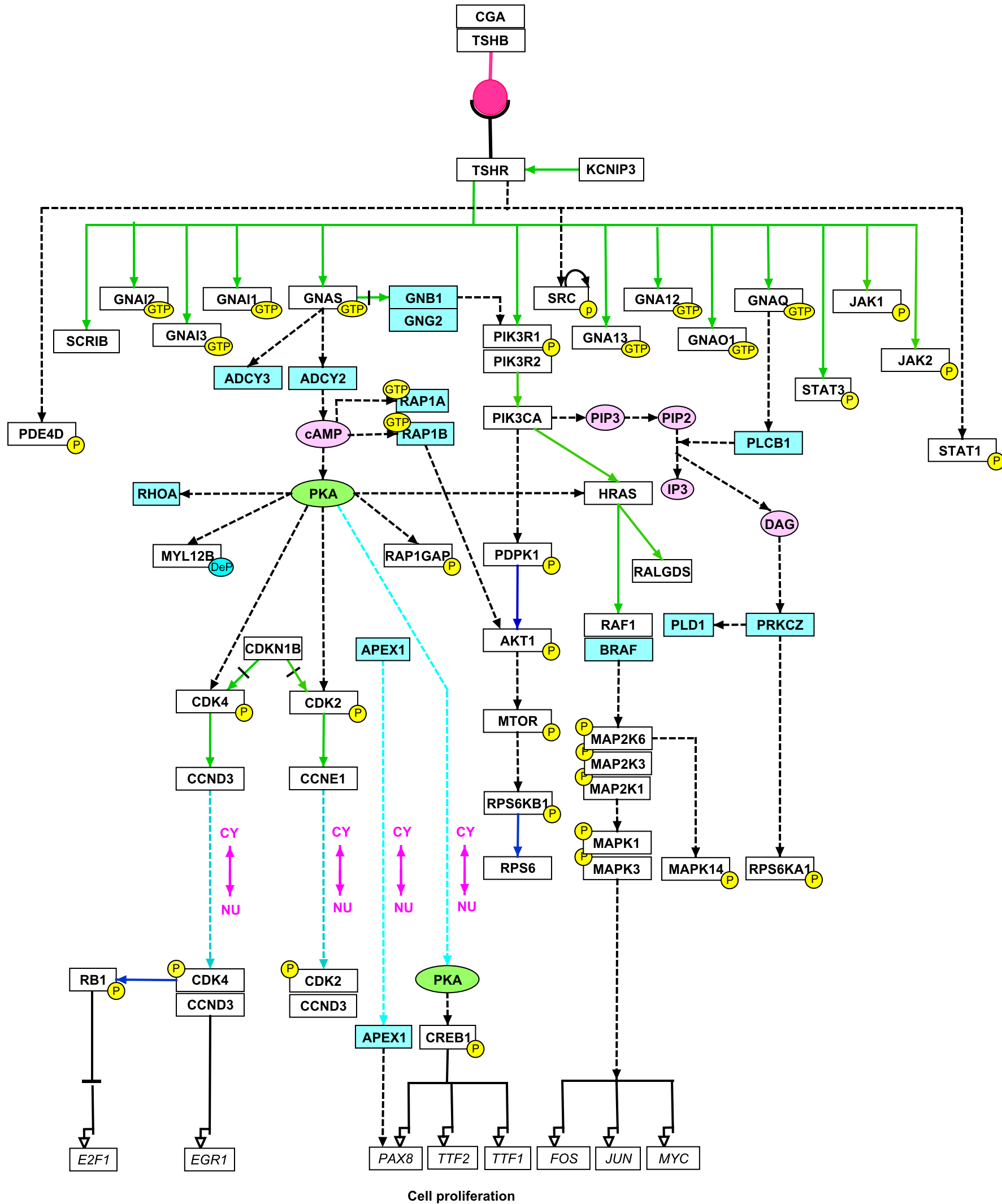


## TSH Signal Transduction Pathway



### LEGEND

	Ligand		Receptor		Protein		mRNA
	Enzyme Complex		Protein-protein interaction		Leads to through unknown mechanism		Positive regulation of gene expression
	Negative regulation of gene expression		Auto catalysis		Acetylation		Deacetylation
	Phosphorylation		Dephosphorylation		Sumoylation		Desumoylation
	Ubiquitination		Deubiquitination		Methylation		Demethylation
	Palmitoylation		Proteolytic cleavage		Inhibition		Transport
	Induced catalysis		Induced activation		Small molecule		Translocation
	Translocation		Plasma membrane		Cytoplasm		Extracellular
	Extracellular		Endosome		Endoplasmic reticulum		Golgi apparatus
	Endoplasmic reticulum		Mitochondrion		Nucleus		

Cell proliferation