

Table 1. Components and modifiers of the Notch pathway in mammals

Component function	Type	Effector
Receptor	Notch	Notch 1-4
Ligand	DLS/DOS	DLL-1, Jagged 1 and 2
	DSL only	DLL-3 and 4
	DOS co-ligands	DLK-1, DLK-2/EGFL9
	Non-canonical	DNER, MAGP-1 and 2, F3/Contactin 1, NB3/Contactin 6
Nuclear effectors	CSL DNA-binding transcription factor	RBPjk/CBF-1
	Transcriptional co-activator	MAML1-3
	Transcriptional co-repressors	Mint/Sharp/SPEN, NcoR/SMRT, KyoT2
Receptor proteolysis	Furin convertase (site 1 cleavage)	PC5/6, Furin
	Metaloprotease (Site 2 cleavage)	ADAM10/Kuzbanian, ADAM17/TACE
	γ -secretase (site 3/site 4 cleavage)	Presenilin 1 and 2, Nicastrin, APH-1a-c, PEN-2
Glycosyltransferase modifiers	O-fucosyl-transferase	POFUT-1
	O-glycosyl-transferase	
	β 1,3-GlcNAc-transferase	Lunatic, Manic and Radical Fringe
Endosomal sorting/ Membrane Trafficking Regulators	Ring Finger E3 Ubiquitin ligase (ligand endocytosis)	Mindbomb, Skeletrophin, Neutralized 1-2
	Ring Finger E3 Ubiquitin ligase (receptor endocytosis)	Deltex 1-4
	HECT Domain E3 Ubiquitin ligase (receptor endocytosis)	Nedd4, Itch/AIP4
	Negative regulator	Numb, Numb-like, ACBD3
	Neutralized inhibitors	
NICD Degradation	F-Box Ubiquitin ligase	Fbw-7/SEL-10
Canonical target bHLH repressor genes		HES/ESR/HEY