

MARRVEL1.1

Human SearchModel Organisms SearchAboutFAQFeedbackAPI

Gene symbolVariantSearch

INPUT

Variant

Gene

NOTCH1

DATABASES

OMIM

ExAC / Geno2MP

ClinVar

DGV

MODEL ORGANISMS

Predicted Orthologs

Protein Domain

Protein Alignment

New search

Gene Function Table

NOTCH1

☒ Show only best DIOPT score gene

	Homolog	DIOPT Score	Expression	Molecular function	Cellular component	Biological process
Human	<div>NOTCH1</div> <div>PubMed</div> <div>Monarch</div>	NA	<div><ul style="list-style-type: none">adrenal glandappendixcolongallbladderlungrectumstomachtestis</div> <div>Show all / GTEX</div>	<div><ul style="list-style-type: none">protein binding</div>	<div><ul style="list-style-type: none">MAML1-RBP-Jkappa- ICN1 complexreceptor complex</div>	<div><ul style="list-style-type: none">aortic valve morphogenesispulmonary valve morphogenesismitral valve formationNotch signaling pathwayheart development</div> <div>Show 16 more</div>
Rat	<div>Notch1</div> <div>PubMed</div>	11/11	<div>Show all (10)</div>	<div>No term based on experiment</div>	<div><ul style="list-style-type: none">acrosomal vesiclenucleusGolgi apparatusplasma membrane</div>	<div><ul style="list-style-type: none">positive regulation of neuroblast proliferationregulation of cardioblast proliferationNotch signaling pathwaypositive regulation of transcription of Notch receptor targetspermatogenesis</div> <div>Show 13 more</div>
Mouse	<div>Notch1</div> <div>PubMed</div> <div>IMPC</div>	13/13	<div><ul style="list-style-type: none">extraembryonic componentembryo ectodermembryo mesodermcardiovascular systembranchial arches</div> <div>Show 18 more</div>	<div><ul style="list-style-type: none">core promoter bindingtranscriptional activator activity, RNA polymerase II transcription factor bindingchromatin bindingtranscription factor activity, sequence-specific DNA bindingenzyme inhibitor activity</div>	<div><ul style="list-style-type: none">nucleuscytoplasmendoplasmic reticulumadherens junctioncell surface</div>	<div><ul style="list-style-type: none">negative regulation of transcription from RNA polymerase II promoterin utero embryonic developmentcell fate specificationepithelial to mesenchymal</div>

