

Recombinant Rat Notch Homolog 2 (Drosophila) , Fc Chimera

Cat. No. Notch2-2545R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Notch Homolog 2 produced in <i>NSO cells</i> was expressed with Fc region of human.
Species	Rat
Source	Mammalian Cells
Description	NOTCH2 is associated with Alagille syndrome. This gene encodes a member of the Notch family. Members of this Type 1 transmembrane protein family share structural characteristics including an extracellular domain consisting of multiple epidermal growth factor-like (EGF) repeats, and an intracellular domain consisting of multiple, different domain types. Notch family members play a role in a variety of developmental processes by controlling cell fate decisions. The Notch signaling network is an evolutionarily conserved intercellular signaling pathway which regulates interactions between physically adjacent cells. In <i>Drosophila</i>, notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signaling pathway that plays a key role in development.
Molecular Weight	Calculated mol wt 76.5 kDa; mol wt 105-115 kDa by SDS-PAGE (reducing).
Purity	≥90% (SDS-PAGE).
Form	Lyophilized from a 0.2 µm filtered solution in phosphate buffered saline.
Analysis Note	The biological activity is measured by its ability to bind Jagged-1.

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Storage -20°C.

GENE INFORMATION

Gene Name [Notch2](#) [Notch homolog 2 \(Drosophila\)](#) [[Rattus norvegicus](#)]

Synonyms Notch2; Notch homolog 2 (Drosophila); neurogenic locus notch homolog protein 2; notch 2; notch gene homolog 2

Gene ID [29492](#)

mRNA Refseq [NM_024358](#)

Protein Refseq [NP_077334](#)

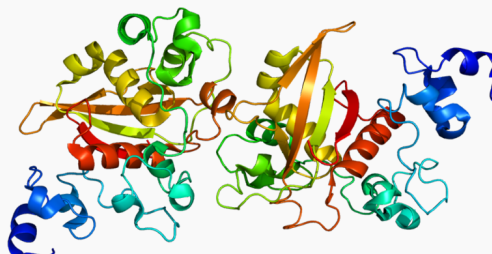
UniProt ID [Q9QW30](#)

Chromosome Location 2q34

Pathway Dorso-ventral axis formation; Notch signaling pathway

Function calcium ion binding; protein binding; receptor activity

PDB rendering based on 2oo4.



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