

Recombinant Human Notch Homolog 3 (Drosophila), Fc Chimera

Cat. No. NOTCH3-2543H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Ecombinant Human Notch Homolog 3 produced in <i>Sf21 cells</i> was fused to Fc region of human.
Species	Human
Source	Sf21 Cells
Description	This gene encodes the third discovered human homologue of the <i>Drosophila melanogaster</i> type I membrane protein notch. In <i>Drosophila</i> , notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signalling pathway that plays a key role in neural development. Homologues of the notch-ligands have also been identified in human, but precise interactions between these ligands and the human notch homologues remains to be determined. Mutations in NOTCH3 have been identified as the underlying cause of cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy (CADASIL).
Molecular Weight	Calculated mol wt 71.4 kDa; mol wt 85-95 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 [NOTCH3 Notch homolog 3 \(Drosophila\) \[Homo sapiens \]](#)

Synonyms NOTCH3; Notch homolog 3 (Drosophila); CASIL; CADASIL; neurogenic locus notch homolog protein 3; notch 3; Notch (Drosophila) homolog 3; Notch 3 extracellular truncation; Notch 3 intracellular domain; Notch homolog 3

Gene ID [4854](#)

mRNA Refseq [NM_000435](#)

Protein Refseq [NP_000426](#)

MIM [600276](#)

UniProt ID [Q9UM47](#)

Chromosome Location 19p13.2-p13.1

Pathway Dorso-ventral axis formation; Notch signaling pathway

Function calcium ion binding; protein binding; receptor activity

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