Recombinant Mouse Notch Gene Homolog 3 (Drosophila) , Fc Chimera

Cat. No. Notch3-2544M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Notch Gene Homolog 3 expressed in*insect cells*was fused to Fc region of human.
Species	Mouse
Source	Insect Cells
Description	This gene encodes the third discovered human homologue of the Drosophilia melanogaster type I membrane protein notch. In Drosophilia, 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 71.5 kDa; mol wt 90-95 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 gene homolog 3 (Drosophila) [Mus musculus]
Synonyms	Notch3; Notch gene homolog 3 (Drosophila); AW229011; neurogenic locus notch homolog protein 3; notch 3
Gene ID	18131
mRNA Refseq	NM_008716
Protein Refseq	NP_032742
UniProt ID	Q61982
Chromosome Location	17 B1; 17 20.0 cM
Pathway	Dorso-ventral axis formation; Notch signaling pathway
Function	calcium ion binding; protein binding; receptor activity

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