Recombinant Mouse Notch1, Fc-tagged

Cat. No. Notch1-435M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse Notch1 (aa 19-488) (12 epidermal growth factor-like (EGF) repeats) is fused at the C-terminus to the Fc portion of human IgG1.
Species	Mouse
Source	CHO
ProteinLength	19-488 a.a.
Description	Notch signaling pathway regulates many different cell fate decisions in both vertebrate and invertebrate species. There are 5 canonical Notch ligands in mammals: Jagged-1, Jagged-2, DLL1, DLL3 and DLL4. These can bind to the four Notch receptors Notch 1-4. It is important for pattern formation during development such as neurogenesis, angiogenesis or myogenesis and regulates T cell development and stem cell maintenance. Notch signaling is also involved in cellular processes through-out adulthood. Signaling via Notch occurs between neighbouring cells and both the receptor and its ligands are transmembrane proteins.
Form	Lyophilized. Contains PBS.
Molecular Mass	~85kDa (SDS-PAGE)
Purity	≥95% (SDS-PAGE)
Stability	Stable for at least 6 months after receipt when stored at -20°C.

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Storage	Short Term Storage: +4°C; Long Term Storage: -20°C. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles. PBS containing at least 0.1% BSA should be used for further dilutions.
Concentration	1mg/ml after reconstitution.

GENE INFORMATION

Gene Name	Notch1 Notch gene homolog 1 (Drosophila) [Mus musculus]
Official Symbol	Notch1
Synonyms	NOTCH1; Notch gene homolog 1 (Drosophila); neurogenic locus notch homolog protein 1; mT14; p300; Motch A; notch 1; major type A protein; transmembrane receptor Notch1; N1; Mis6; Tan1; lin-12; 9930111A19Rik;
Gene ID	18128
mRNA Refseq	NM_008714
Protein Refseq	NP_032740
Pathway	Activated NOTCH1 Transmits Signal to the Nucleus, organism-specific biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Dorso-ventral axis formation, organism-specific biosystem; Dorso-ventral axis formation, conserved biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem;
Function	chromatin DNA binding; chromatin binding; protein binding; receptor activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor

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