

Recombinant Mouse Notch3 Protein, His&GST-tagged

Cat. No. Notch3-1839M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Notch3 Protein (Ala40-Thr273) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ala40-Thr273
Description	Enables enzyme binding activity. Involved in Notch signaling pathway and positive regulation of smooth muscle cell proliferation. Acts upstream of or within several processes, including blood vessel morphogenesis; nervous system development; and regulation of transcription by RNA polymerase II. Located in nucleus and plasma membrane. Is expressed in several structures, including alimentary system; cardiovascular system; central nervous system; genitourinary system; and sensory organ. Used to study CADASIL 1 and acute lymphoblastic leukemia. Human ortholog(s) of this gene implicated in CADASIL 1; infantile myofibromatosis; and lateral meningocele syndrome. Orthologous to human NOTCH3 (notch receptor 3).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 54.4 kDa Accurate Molecular Mass: 57 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Notch3 Notch gene homolog 3 (Drosophila) [Mus musculus (house mouse)]
Official Symbol	Notch3
Synonyms	NOTCH3; Notch gene homolog 3 (Drosophila); neurogenic locus notch homolog protein 3; notch 3; N3; hpbk; AW229011;
Gene ID	18131
mRNA Refseq	NM_008716
Protein Refseq	NP_032742
UniProt ID	Q61982

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