

Recombinant Mouse Notch1 Protein, His-tagged

Cat. No. Notch1-1837M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Notch1 Protein (Glu1919-Ile2079) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Glu1919-Ile2079
Description	Enables several functions, including Notch binding activity; chromatin DNA binding activity; and transcription coactivator activity. Involved in several processes, including blood vessel endothelial cell differentiation; heart development; and negative regulation of cell differentiation. Acts upstream of or within several processes, including animal organ development; nervous system development; and tube morphogenesis. Located in several cellular components, including adherens junction; apical plasma membrane; and cell surface. Is expressed in several structures, including alimentary system; cardiovascular system; central nervous system; genitourinary system; and sensory organ. Human ortholog(s) of this gene implicated in Adams-Oliver syndrome; adult T-cell leukemia; and aortic valve disease 1. Orthologous to human NOTCH1 (notch receptor 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.1 kDa Accurate Molecular Mass: 21 kDa

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Purity	> 90%
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	Notch1 notch 1 [Mus musculus (house mouse)]
Official Symbol	Notch1
Synonyms	Notch1; notch 1; N1; Mis6; Tan1; lin-12; 9930111A19Rik; neurogenic locus notch homolog protein 1; Motch A; Notch gene homolog 1; mT14; major type A protein; p300
Gene ID	18128
mRNA Refseq	NM_008714
Protein Refseq	NP_032740

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UniProt ID

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