

Recombinant Mouse Notch1 protein, Fc-tagged

Cat. No. Notch1-423M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Notch1(Met 1-Gln 526) fused with Fc region of human IgG1 at C-terminal was expressed in CHO.
Species	Mouse
Source	CHO
ProteinLength	Met1-Gln526
Predicted N Terminal	Ala 19
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
Molecular Mass	The recombinant mouse Notch1 consists 749 amino acids and predicts a molecular mass of 80.6 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated

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freeze-thaw cycles.

Reconstitution

A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

Shipping

In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

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

MIM

UniProt ID

Q01705

Chromosome Location

2 A3; 2 18.91 cM

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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 activity;

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