

Active Recombinant Mouse NOTCH1 Protein, His-tagged

Cat. No. NOTCH1-884M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse NOTCH1 (NP_032740.3) N-terminal fragment (Met 1-Gln 526) was expressed, with a C-terminal polyhistidine tag.
Species	Mouse
Source	Insect Cells
Protein Length	1-526 a.a.
Predicted N Terminal	Ala 19
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly1, 5%–8% trehalose and mannitol.
Bio-activity	1. Measured by its binding ability in a functional ELISA. 2. Immobilized human DLL4 at 10 µg/mL (100 µl/well) can bind biotinylated mouse NOTCH1-his, The EC50 of biotinylated mouse NOTCH1-his is 40 ng/mL. 3. Immobilized mouse DLL4-his at 10 µg/mL (100 µl/
Molecular Mass	The secreted recombinant mouse NOTCH1 (aa 1-526) consists of 518 amino acids and has a calculated molecular mass of 55 kDa. It migrates as an approximately 80 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.

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Purity	>82 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Notch1 Notch gene homolog 1 (Drosophila) [<i>Mus musculus</i>]
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	
Pathway	Activated NOTCH1 Transmits Signal to the Nucleus, organism-specific biosystem; Delta-Notch Signaling Pathway, organism-specific biosystem; Developmental Biology,

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organism-specific biosystem; Dorso-ventral axis formation, organism-specific biosystem; Dorso

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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