

Recombinant Mouse Notch2, Fc-tagged

Cat. No. Notch2-436M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse Notch2 (aa 26-494) (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	26-494 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	~87kDa (SDS-PAGE)
Purity	≥95% (SDS-PAGE)
Stability	Stable for at least 6 months after receipt when stored at -20°C.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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	Notch2 Notch gene homolog 2 (Drosophila) [Mus musculus]
Official Symbol	Notch2
Synonyms	NOTCH2; Notch gene homolog 2 (Drosophila); neurogenic locus notch homolog protein 2; Motch B; notch 2; N2; AI853703;
Gene ID	18129
mRNA Refseq	NM_010928
Protein Refseq	NP_035058
Pathway	Delta-Notch Signaling Pathway, 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; Notch Signaling Pathway, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem;
Function	NF-kappaB binding; calcium ion binding; protein binding; receptor activity;