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Notch1 Recombinant Protein

CATALOG NUMBER: 90-291

Specifications	
SPECIES:	Mouse
SOURCE SPECIES:	CHO cells
SEQUENCE:	The extracellular domain of mouse Notch1 (aa 19-488) (12 epidermal growth factor-like (EGF) repeats) is fused at the C-terminus to the Fc portion of human IgG1.
FUSION TAG:	Fc Tag
TESTED APPLICATIONS:	
APPLICATIONS:	This recombinant proteins is for research use only.
BIOLOGICAL ACTIVITY:	N/A

Properties	
PURITY:	>95% (SDS-PAGE). Endotoxin level is less than 0.1EU/ ug purified protein (LAL test; Lonza).
PHYSICAL STATE:	Lyophilized
BUFFER:	Contains PBS. Reconstitute with 50 ul sterile water.
CONCENTRATION:	1mg/ml after reconstitution.
STORAGE CONDITIONS:	Stable for at least 6 months after receipt when stored at -20°C.

Additional Info	
ALTERNATE NAMES:	Neurogenic Locus Notch Homolog Protein 1, Motch A, mT14, p300
ACCESSION NO.:	Q01705
PROTEIN GI NO.:	384872684

Background

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.

FOR RESEARCH USE ONLY

February 23, 2018