

## Product datasheet for **TP727861**

### Notch1 Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Notch 1 (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Ala18-Gln526
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4.
Note:	Recombinant Mouse Neurogenic locus notch homolog protein 1 is produced by our Mammalian expression system and the target gene encoding Ala18-Gln526 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	18128
UniProt ID:	<a href="#">Q01705</a>
Summary:	Mouse Notch1 is a 300 kDa type I transmembrane glycoprotein and it functions as a receptor for membrane-bound ligands Jagged1, Jagged2 and Delta1 to regulate cell-fate determination. Mouse Notch1 is synthesized as a 2531 amino acid (aa) precursor that contains an 18 aa signal sequence, a 1707 aa extracellular domain (ECD) with 36 EGFLike repeats and three Lin12/notch repeats, a 21 aa transmembrane segment and a 785 aa cytoplasmic domain that contains six ankyrin repeats, a glutamine-rich domain and a PEST sequence. Notch1 may play an essential role in postimplantation development, probably in some aspect of cell specification and/or differentiation and may be involved in mesoderm development, somite formation and neurogenesis.



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