

Datasheet for ABIN7320796

Notch1 Protein (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	Notch1 (NOTCH1)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Notch1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Notch A/NOTCH1 Protein (His Tag)
Sequence:	Ala18-Gln526
Characteristics:	Recombinant Mouse Notch 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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Notch1 (NOTCH1)
Alternative Name:	Notch A/NOTCH1 (NOTCH1 Products)
Background:	Background: 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

Target Details

an 18 aa signal sequence, a 1707 aa extracellular domain (ECD) with 36 EGFl like 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.

Synonym: Neurogenic locus notch homolog protein 1, Notch 1, Motch A, Mt14, lin-12, Mis6, N1, Tan1

Molecular Weight: 54.4 kDa

UniProt: [Q01705](#)

Pathways: [Notch Signaling](#), [Stem Cell Maintenance](#), [Regulation of Muscle Cell Differentiation](#), [Tube Formation](#), [Skeletal Muscle Fiber Development](#)

Application Details

Restrictions: For Research Use only

Handling

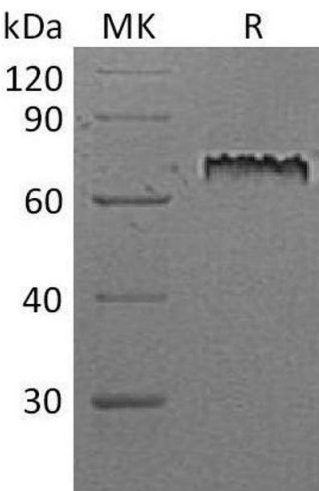
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.