

Datasheet for ABIN7013490

Notch1 Protein (AA 19-526) (His tag)[Go to Product page](#)**2** Images

Overview

| | |
|-------------------------------|---|
| Quantity: | 100 µg |
| Target: | Notch1 (NOTCH1) |
| Protein Characteristics: | AA 19-526 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This Notch1 protein is labelled with His tag. |

Product Details

| | |
|------------------|--|
| Characteristics: | Mouse NOTCH1 Protein, His Tag |
| Purity: | >95 % as determined by SDS-PAGE. |
| Endotoxin Level: | Less than 1.0 EU per µg by the LAL method. |

Target Details

| | |
|-------------------|--|
| Target: | Notch1 (NOTCH1) |
| Alternative Name: | NOTCH1 (NOTCH1 Products) |
| Background: | NOTCH1 Interacts with DNER, DTX1, DTX2 and RBPJ/RBPSUH. Also interacts with MAML1, MAML2 and MAML3 which act as transcriptional coactivators for NOTCH1. The NOTCH1 intracellular domain interacts with SNW1, the interaction involves multimerized NOTCH1 NICD and is implicated in a formation of an intermediate preactivation complex which associates |

Target Details

with DNA-bound CBF-1/RBPJ. The activated membrane-bound form interacts with AAK1 which promotes NOTCH1 stabilization. Functions as a receptor for membrane-bound ligands Jagged-1 (JAG1), Jagged-2 (JAG2) and Delta-1 (DLL1) to regulate cell-fate determination. Involved in the maturation of both CD4+ and CD8+ cells in the thymus. Important for follicular differentiation and possibly cell fate selection within the follicle. During cerebellar development, functions as a receptor for neuronal DNER and is involved in the differentiation of Bergmann glia.

| | |
|-------------------|--|
| Molecular Weight: | 55.4 kDa |
| NCBI Accession: | NP_032740 |
| Pathways: | Notch Signaling , Stem Cell Maintenance , Regulation of Muscle Cell Differentiation , Tube Formation , Skeletal Muscle Fiber Development |

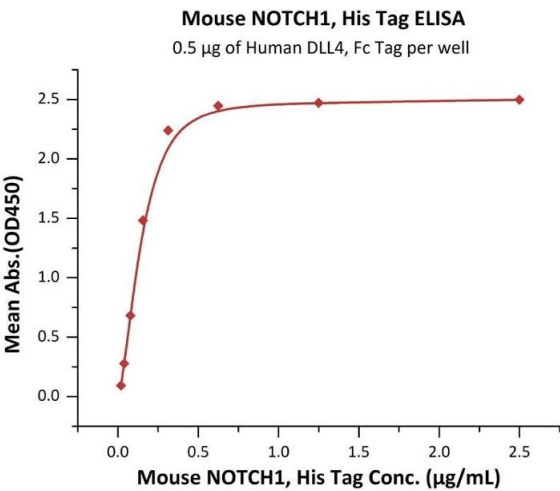
Application Details

| | |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

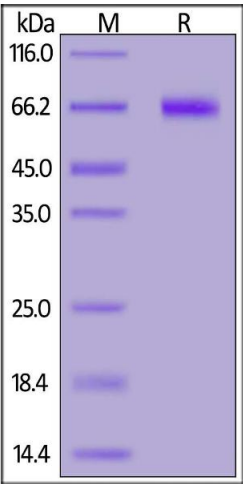
Handling

| | |
|----------|-------------|
| Format: | Lyophilized |
| Buffer: | PBS, pH 7.4 |
| Storage: | -20 °C |

Images



| ELISA | | | | |
|--|-------------|-------|----------|-----|
| Image 1. | Immobilized | Human | DLL4, Fc | Tag |
| (ABIN2180974,ABIN2180973) at 5 µg/mL (100 µL/well) can bind Mouse NOTCH1, His Tag (ABIN6973183) with a linear range of 0.02-0.313 µg/mL (QC tested). | | | | |



SDS-PAGE

Image 2. Mouse NOTCH1, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .