

# Recombinant Full Length Human NOTCH2NLC Protein, His-tagged

**Cat. No.** NOTCH2NLC-001H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | NOTCH2NLC;notch 2 N-terminal like C;ETM6;NIID;OPDM3;His-tagged;Human                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | E. coli                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 1-293 aa                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | NOTCH2NLC (notch 2 N-terminal like C) belongs to the NOTCH2 N-terminal-like protein family. It is a human-specific gene that arose from partial duplication events and is implicated in Notch signaling pathway regulation. Repeat expansions in NOTCH2NLC are associated with neuronal intranuclear inclusion disease (NIID) and related neurodegenerative disorders. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 34 kDa (confirmed by SDS-PAGE)                                                                                                                                                                                                                                                                                                                                         |
| <b>AASequence</b>       | MGSSHHHHHSSGLVPRGSHMWICPGGGGGGGGGGGGGDREDARPAPLCCGR<br>CWRSGCAARPPRMCRDGYEPCVNEGMCVTYHNGTG YCKCPEGFLGEYCQHRDP<br>CEKNRCQNGGTCVAQAMLGKATCRCASGFTGEDCQYSTSHPCFVSRPCLNGGTC<br>HMLSRDTYPECTCQVGFTGKECQWTDACLSHPCANGSTCTTVANQFSCKCLTGFTG<br>QKCETDVNECDIPGHCQHGGTCLNLPGSYQCQCLQGFTGQYCDSLYVPCAPSPCV<br>NGGTCRQTGDFTFECNCLPETVRRGTELWER                                      |

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|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| <b>Endotoxin</b>      | <1.0 EU/ug (by LAL)                                        |
| <b>Purity</b>         | >90% (by SDS-PAGE)                                         |
| <b>Storage</b>        | -20°C to -80°C, aliquot, avoid repeated freeze-thaw cycles |
| <b>Concentration</b>  | 1 mg/ml (by BCA)                                           |
| <b>Storage Buffer</b> | Sterile PBS, pH7.4, 0.1% SKL                               |

## GENE INFORMATION

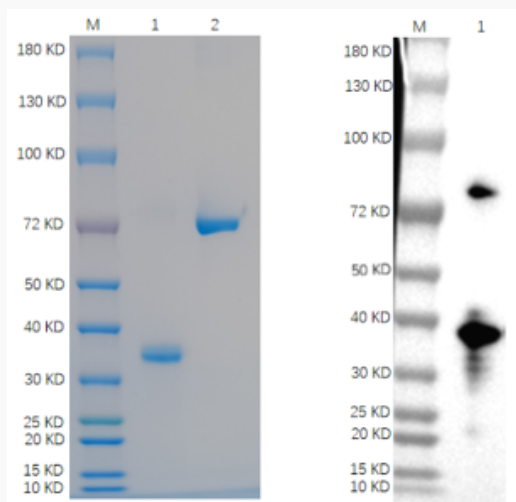
|                        |                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | NOTCH2NLC                                                                                                             |
| <b>Official Symbol</b> | NM_001364013.2                                                                                                        |
| <b>Synonyms</b>        | NP_001350942.1                                                                                                        |
| <b>Gene ID</b>         | <a href="https://www.ncbi.nlm.nih.gov/protein/NP_001350942.1">https://www.ncbi.nlm.nih.gov/protein/NP_001350942.1</a> |
| <b>mRNA Refseq</b>     | <a href="https://www.uniprot.org/uniprotkb/P0DPK4">https://www.uniprot.org/uniprotkb/P0DPK4</a>                       |
| <b>Protein Refseq</b>  | <a href="https://www.ncbi.nlm.nih.gov/gene/100996717">https://www.ncbi.nlm.nih.gov/gene/100996717</a>                 |
| <b>MIM</b>             | <a href="https://www.omim.org/entry/618025">https://www.omim.org/entry/618025</a>                                     |

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**SDS-PAGE and WB  
analysis of  
NOTCH2NLC-001H**



1 ug/lane; 1 ug BSA control; Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified NOTCH2NLC-001H

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