

### Recombinant Human Nogo protein ab163499

[1 References](#) [画像数 1](#)

#### 製品の詳細

製品名	Recombinant Human Nogo protein
発現系	Wheat germ
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human

配列

```
MEDLDQSPLVSSSDSPRRQPAPFKYQFVREPEDEEEEEEEEE  
EDEDEDLE  
ELEVLERKPAAGLSAAPVPTAPAAGAPLMDFGNDFVPPAPRG  
PLPAAPPV  
APERQPSWDPSVSSSTVPAPSPLSAAAVSPSKLPEDDEPPAR  
PPPPPPAS  
VSPQAEPVWTPPAPAPAAPPSTPAAPKRRGSSGSVDETLFAL  
PAASEPVI  
RSSAENMDLKEQPGNTISAGQEDFPSVLLETAASLPSLSPLS  
AASFKEHE  
YLGNLSTVLPTEGTLQENVSEASKEVSEKAKTLLIDRDLTEF  
SELEYSEM  
GSSFVSPKAESAVIVANPREEIIIVKNKDEEEKLVSNILHN  
QQELPTAL  
TKLVKEDEVVSSEKAKDSFNEKRVAVEAPMREEYADFKPFER  
VVEVKDSK  
EDSDMLAAGGKIESNLESKVDKCKFADSLEQTNHEKDSSESN  
DDTSFPST  
PEGIKDRSGAYITCAPFNPAATESIATNIFPLLGDPTSENKT  
DEKKIEEK  
KAQIVTEKNTSTKTSNPFLVAAQDSETDYVTTDNLTKVTEEV  
VANMPEGL  
TPDLVQEACESELNEVTGTKIAYETKMDLVQTSEVMQESLYP  
AAQLCPSF  
EESEATPSPVLPDIVMEAPLNSAVPSAGASVIQSSSPLEAS  
SVNYESIK  
HEPENPPPYEEAMSVSLKKKVSIGIKKEEIKPENINAALQTEA  
PYISIIACD  
LIKETKLSAEPAPDFSDYSEMAKVEQPVPDHSELVEDSSPDS
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EPVDLFSD  
DSIPDVPQKQDETVMVLVKESLTETSFESMIEYENKEKLSALP  
PEGGKPYL  
ESFKLSLDNTKDTLLPDEVSTLSKKEKIPLQMEELSTAVYSN  
DDLFIKSE  
AQIRETETFSOSSPIEIEIDFPTLISSKTDSFSKLAREYTDL  
EVSHKSEI  
ANAPDGAGSLPCTELPHDLSLKNIQPKVEEKISFSDDFSKNG  
SATSKVLL  
LPPDVSALATQAEIESIVKPKVLVKEAEKCLPSDTEKEDRSP  
SAIFSAEL  
SKTSVVDLLYWRDIKKTGVVFGASLFLLLSLTVFSIVSVTAY  
IALALLSV  
TISFRIYKGVIAIQKSDGHPFRAYLESEVAISEELVQKYS  
NSALGHVN  
CTIKELRRLFLVDDLVDLSLKFAVLMWVFTYVGFALFNGLTLLI  
LALISLFS  
VPVIYERHQAQIDHYLGLANKNVKDAMAKIQAKIPGLKRKAE

領域 1 to 1192  
タグ GST tag N-Terminus

### 特性

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Our **Abpromise guarantee** covers the use of **ab163499** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション Western blot  
ELISA  
製品の状態 Liquid

備考

### 前処理および保存

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保存方法および安定性 Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.  
pH: 8.00  
Constituents: 0.31% Glutathione, 0.79% Tris HCl

### 関連情報

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機能 Developmental neurite growth regulatory factor with a role as a negative regulator of axon-axon adhesion and growth, and as a facilitator of neurite branching. Regulates neurite fasciculation, branching and extension in the developing nervous system. Involved in down-regulation of growth, stabilization of wiring and restriction of plasticity in the adult CNS. Regulates the radial migration of cortical neurons via an RTN4R-LINGO1 containing receptor complex (By similarity). Isoform 2 reduces the anti-apoptotic activity of Bcl-xl and Bcl-2. This is likely consecutive to their change in subcellular location, from the mitochondria to the endoplasmic reticulum, after binding and

sequestration. Isoform 2 and isoform 3 inhibit BACE1 activity and amyloid precursor protein processing.

#### 組織特異性

Isoform 1 is specifically expressed in brain and testis and weakly in heart and skeletal muscle. Isoform 2 is widely expressed except for the liver. Isoform 3 is expressed in brain, skeletal muscle and adipocytes. Isoform 4 is testis-specific.

#### 配列類似性

Contains 1 reticulon domain.

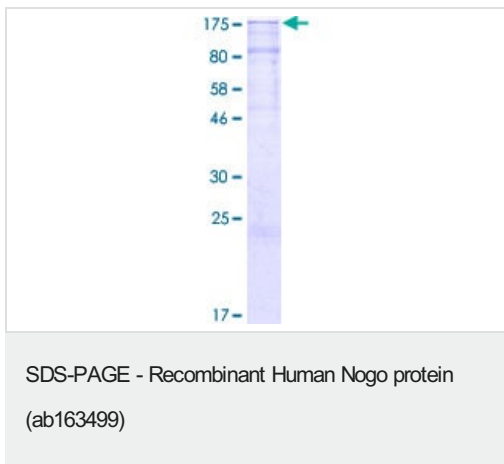
#### ドメイン

Three regions, residues 59-172, 544-725 and the loop 66 amino acids, between the two transmembrane domains, known as Nogo-66 loop, appear to be responsible for the inhibitory effect on neurite outgrowth and the spreading of neurons. This Nogo-66 loop, mediates also the binding of RTN4 to its receptor.

#### 細胞内局在

Endoplasmic reticulum membrane. Anchored to the membrane of the endoplasmic reticulum through 2 putative transmembrane domains.

#### 画像



ab163499 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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