

# Recombinant Human LINGO1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** LINGO1-2099H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | LINGO1 MS Standard C13 and N15-labeled recombinant protein (NP_116197) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | Functional component of the Nogo receptor signaling complex (RTN4R/NGFR) in RhoA activation responsible for some inhibition of axonal regeneration by myelin-associated factors. Is also an important negative regulator of oligodendrocyte differentiation and axonal myelination. Acts in conjunction with RTN4 and RTN4R in regulating neuronal precursor cell motility during cortical development.                                                                                                                                      |
| <b>Molecular Mass</b>   | 69.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | <p>MQVSKRMLAGGVRSMPSLLACWQPILLVLGSLVSGSATGCPPRCECSAQDRAV</p> <p>LCHRKRFBVAVPEGIPTETRLDLGKNRIKTLNQDEFASFPHLEELNENIVSAVEPG</p> <p>AFNNLFNLRTLGLRSNRLKLIPLGVFTGLSNLTKLDISENKIVILLDYMFDLYNLKSLE</p> <p>VGDNDLVYISHRAFSGLSNLEQLTLEKCNLTSIPTEALSHLHGLIVLRRLHNLNINAIIRDY</p> <p>SFKRLYRLKVLKLEISHWPYLDTMTPNCLYGLNLTSLSTHNCNLTAVPYLAVRHLVYLRFL</p> <p>NLSYNPISTIEGSMHELLRLQEIQLVGGQLAVVEPYAFRGLNYLRVLNVSGNQLTTL</p> <p>EESVFHSGVGNLETILDSNPLACDCRLLWVFRRRWRLNFNRRQQPTCATPEFVQGKE</p> <p>FKDFPDVLLPNYFTCRRARIRDRKAQQVFVDEGHTVQFVCRADGDPPPAILWLSPR</p> |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KHLVSAKSNGRLLTVFPDGTLEVRYAQVQDNGTYLCIAANAGGND SMPAHLHVRSYS  
PDWPHQPKNKTFAFISNQPGEGEANSTRATVPFPFDIKTLIIATTMGFISFLGVVLFCLV  
LLFLWSRGKGNTKHNIEIEYVPRKSDAGISSADAPRKFNMKMITRTRPLEQKLISEED  
LAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** LINGO1 leucine rich repeat and Ig domain containing 1 [ Homo sapiens (human) ]

**Official Symbol** LINGO1

**Synonyms** LINGO1; leucine rich repeat and Ig domain containing 1; leucine rich repeat neuronal 6A, LRRN6A; leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 1; FLJ14594; LERN1; leucine rich repeat neuronal 6A; leucine-rich repeat neuronal protein 1; leucine-rich repeat neuronal protein 6A; leucine-rich repeat and immunoglobulin domain-containing protein 1; LRRN6A; UNQ201; MGC17422;

**Gene ID** 84894

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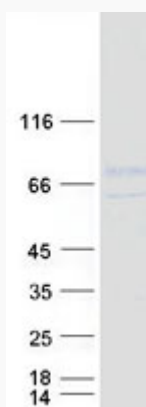
mRNA Refseq [NM\\_032808](#)

Protein Refseq [NP\\_116197](#)

MIM [609791](#)

UniProt ID [Q96FE5](#)

SDS-PAGE



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