

Recombinant Mouse LINGO1 Protein (37-555 aa), His-tagged

Cat. No. LINGO1-1143M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse LINGO1 Protein (37-555 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Mouse
Source	E.coli
ProteinLength	37-555 aa
Description	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. ¹ Publication.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	62.9 kDa
AA Sequence	PPRCECSAQDRAVLCHRKRFFVAVPEGIPTETRLLDLGKNRIKTLNQDEFASFPHLEE LELNENIVSAVEPGAFNNLFLNRLTLGLRSNRLKLIPLGVFTGLSNLTKLDISENKIVILLD YMFQDLNLSKLEVGDNLDVYISHRAFSGLSLEQLTLEKCNLTSIPTEALSHLHGLIV LRLRHLNINAIRDYSFKRLYRLKVLEISHWPYLDTPNCLYGLNLTSLSITHCNLTAV PYLAVRHLVYLRFLNLSYNPIGTIEGSMHELLRLQEIQLVGGQLAVVEPYAFRGLNY

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LRVLNVSGNQLTTLEESAFHSVGNLETILDSNPLACDCRLLWVFRRRWRLNFNQR
QPTCATPEFVQGKEFKDFPDVLLPNYFTCRAHIRDRKAQQVFVDEGHTVQFVCRA
DGDPPPAILWLSPRKHLVSAKSNGRLTVFPDGTLEVRYAQVQDNGTYLCIAANAGG
NDSMPAHLHVRSYSPDWPHQPKNKTFAFISNQPGEGEANSTRATVPFPFDIKTLIIAT

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name [Lingo1 leucine rich repeat and Ig domain containing 1 \[Mus musculus \]](#)

Official Symbol [LINGO1](#)

Synonyms LINGO1; LERN1; Lrrn6a; UNQ201; LINGO-1; AV148400; 4930471K13Rik;

Gene ID [235402](#)

mRNA Refseq [NM_181074](#)

Protein Refseq [NP_851419](#)

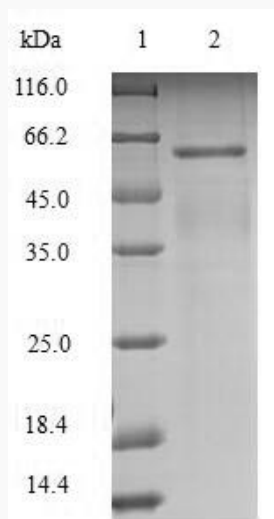
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UniProt ID

Q9D1T0



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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